

Screw-clamp terminal blocks

Polyamide insulated

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Products and systems for the connection of electrical panels

2014 - 2ND Edition



UNI EN-ISO 9001



UNI EN-ISO 14001

WARNING The technical data contained in this catalogue is not binding for Cabur and may be modified without prior warning, simply for reasons of production or improvement and evolution. For this reason, please contact our technical-commercial offices for any relevant confirmation or updates. For more information about our new products, please visit our website: www.cabur.eu/news



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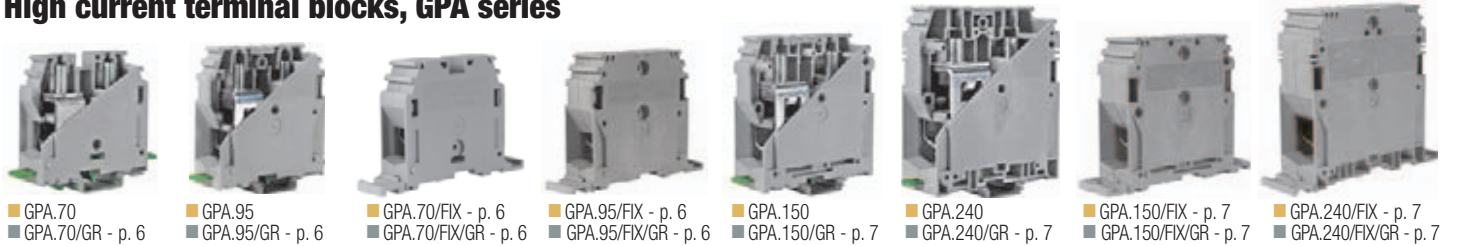
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Polyamide screw-clamp terminal blocks

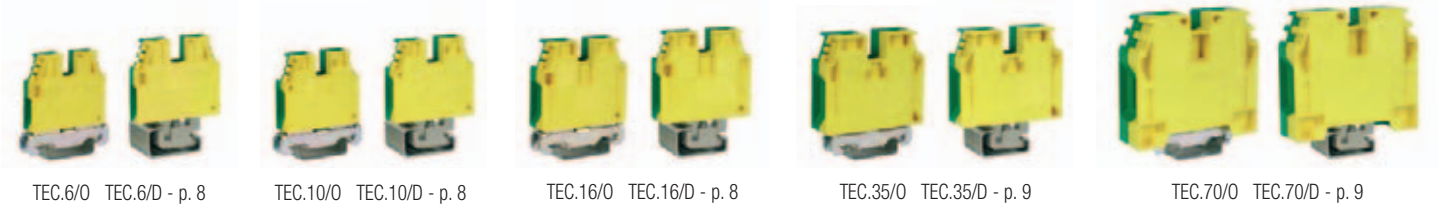
Feed-through terminal blocks, CBC series



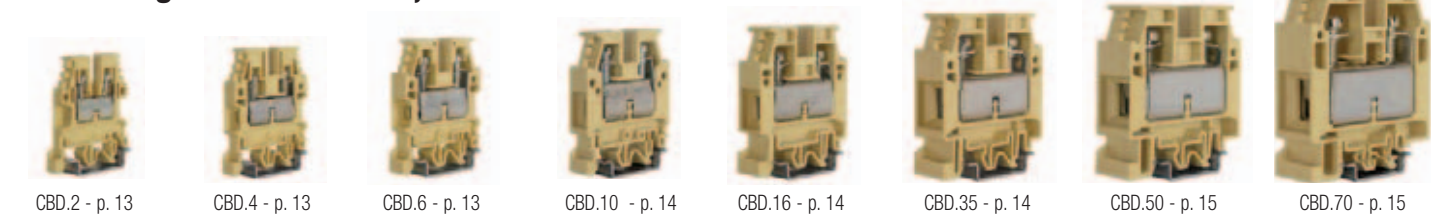
High current terminal blocks, GPA series



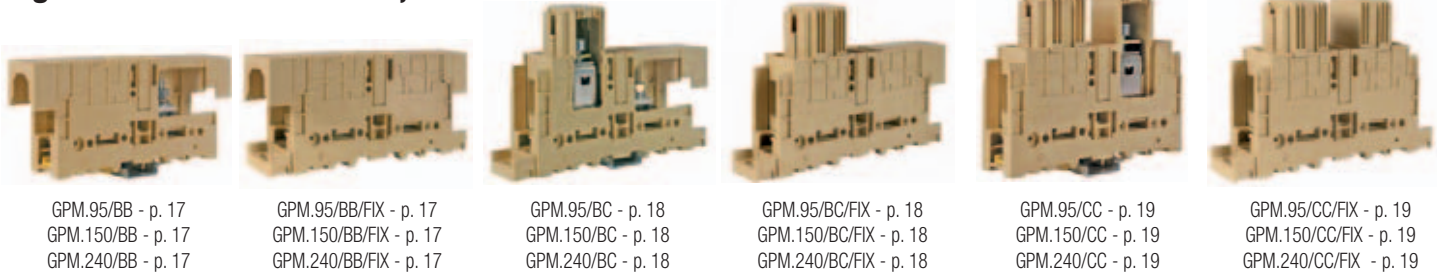
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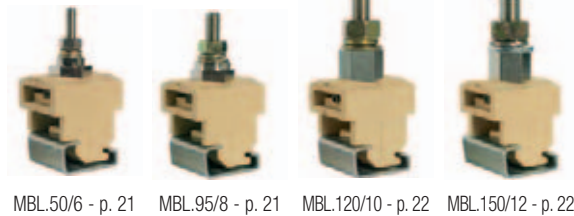
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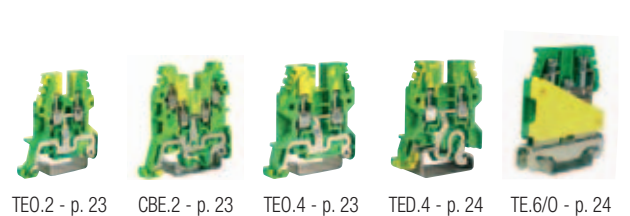
ACB series



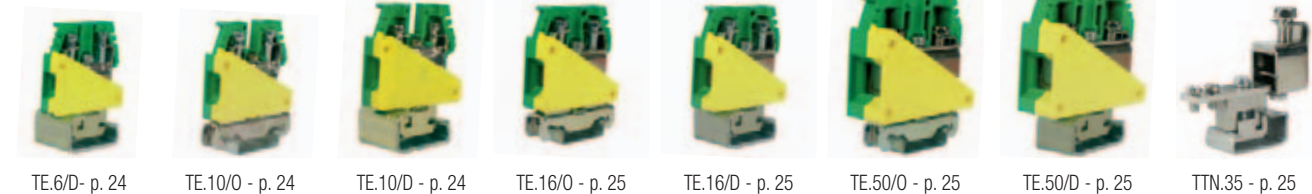
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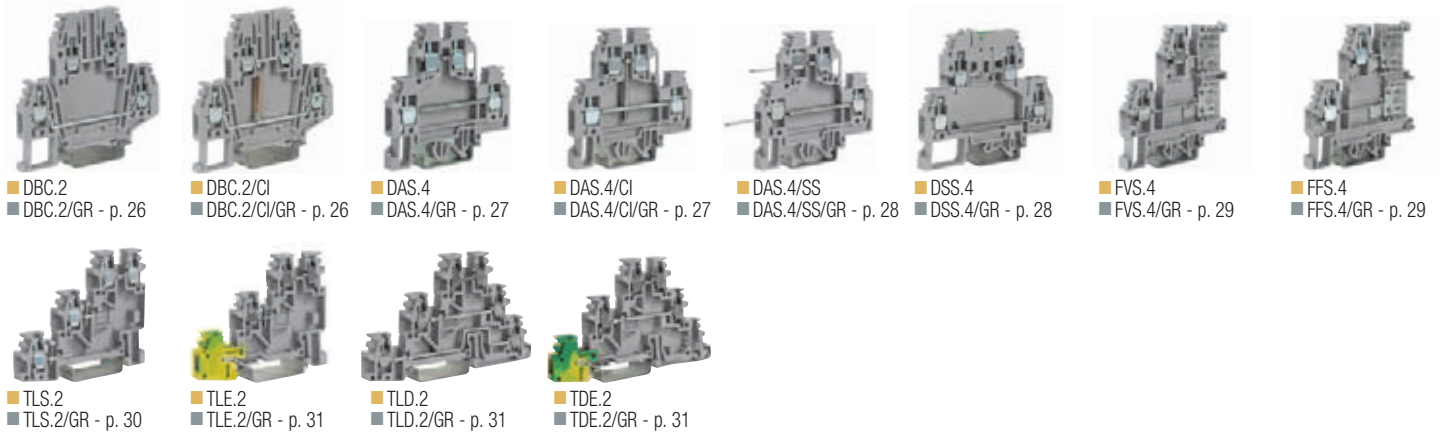
Earth terminal blocks



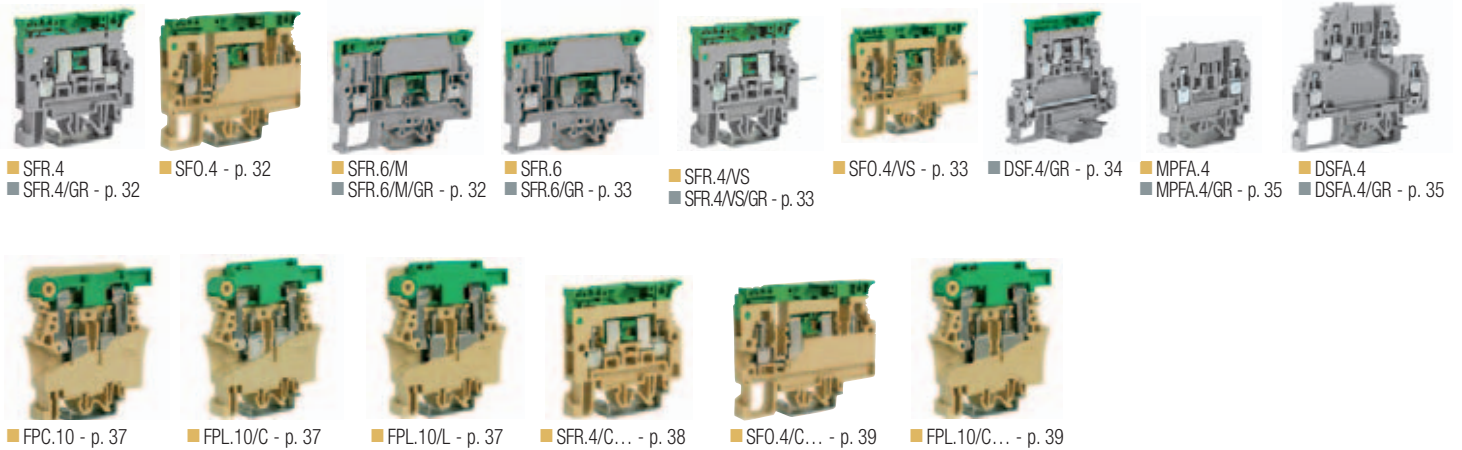
Earth terminal blocks



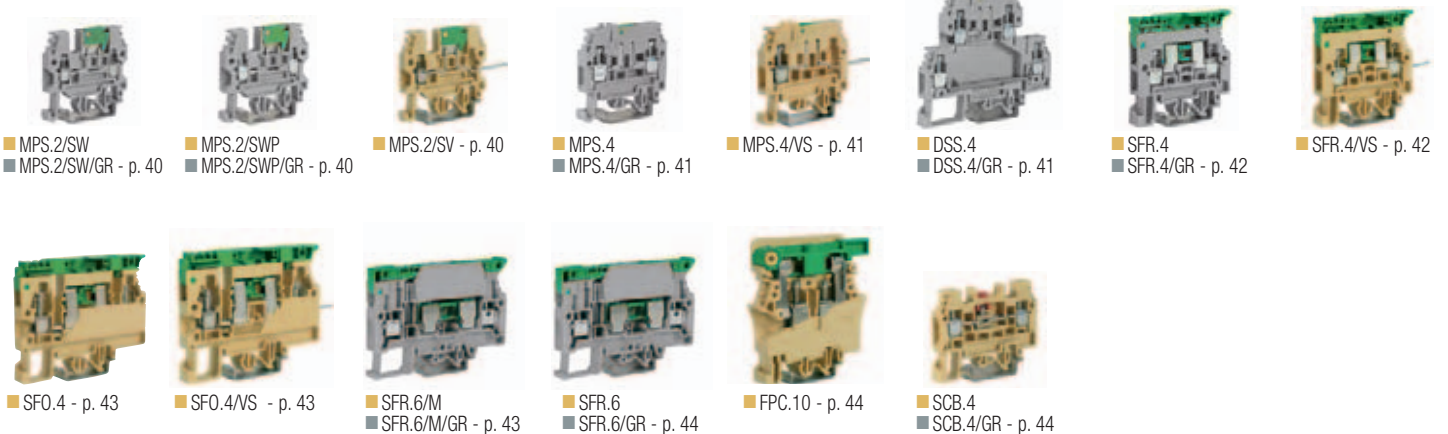
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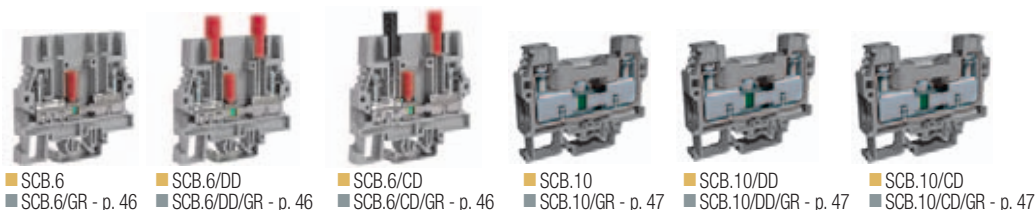
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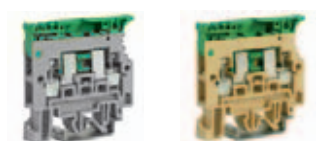
Disconnect terminal blocks



Terminal blocks for test and measurement circuits

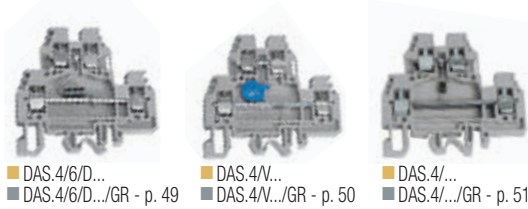


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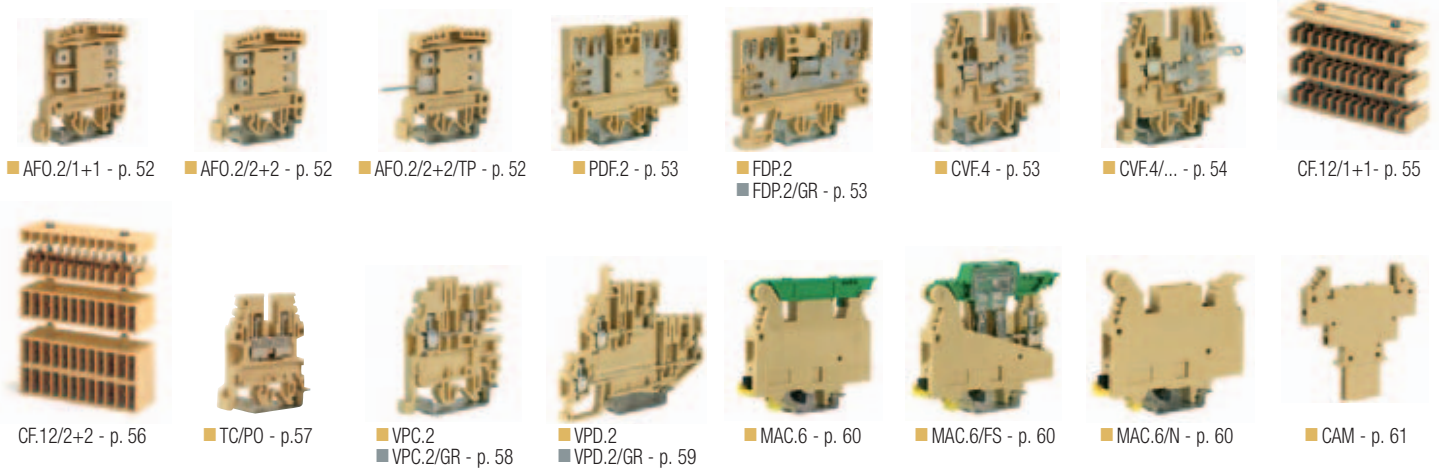


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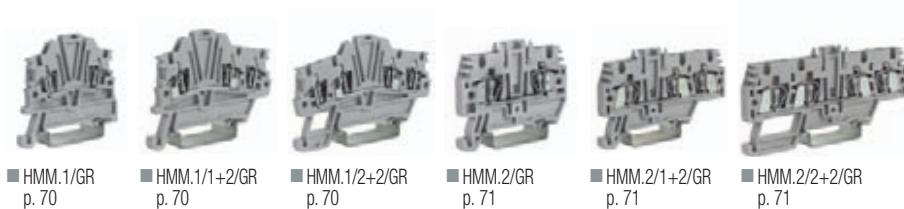
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Feed-through terminal blocks

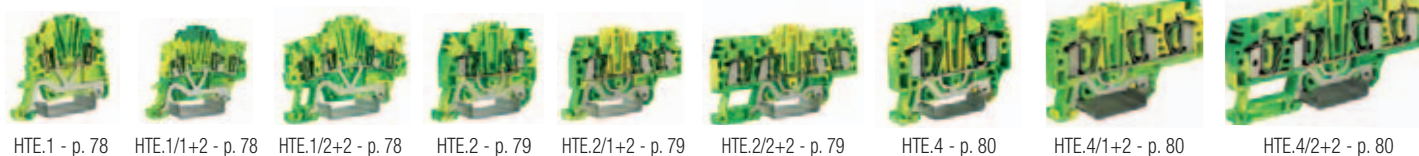


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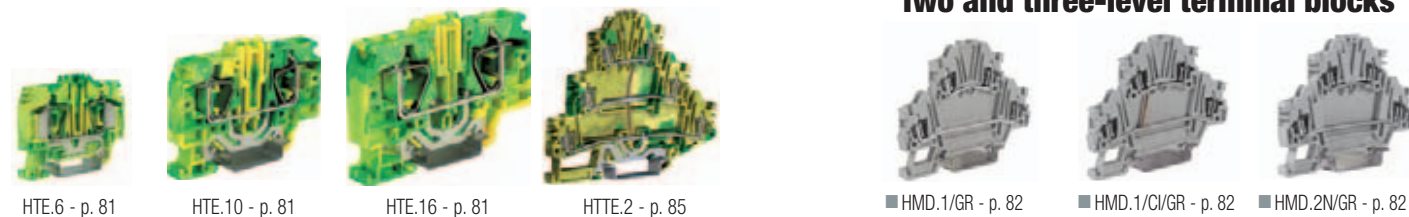
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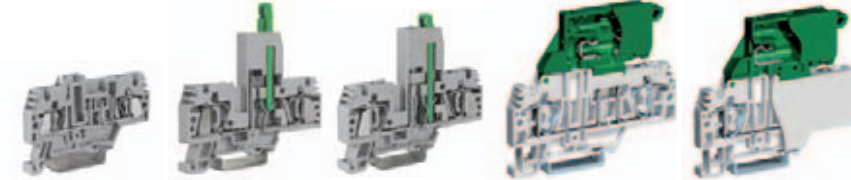
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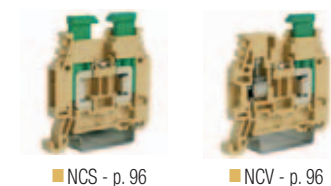
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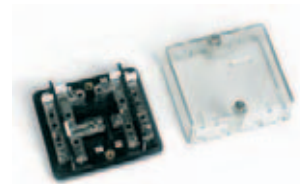


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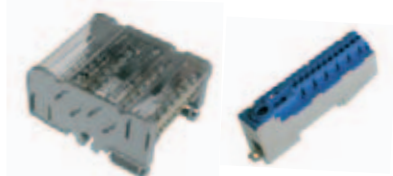


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Mobile terminal boards CONTC - CONT



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12-pole terminal boards CAMUT



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• **Terminal blocks for electrical boards**

Terminal blocks for electrical panels, polyamide screw-clamp and spring-clamp terminal blocks, control terminal boards, high-current terminal boards, mobile terminal blocks, distribution terminal boards, 12-pole polyamide terminal boards

• **Electronic products for electrical boards**

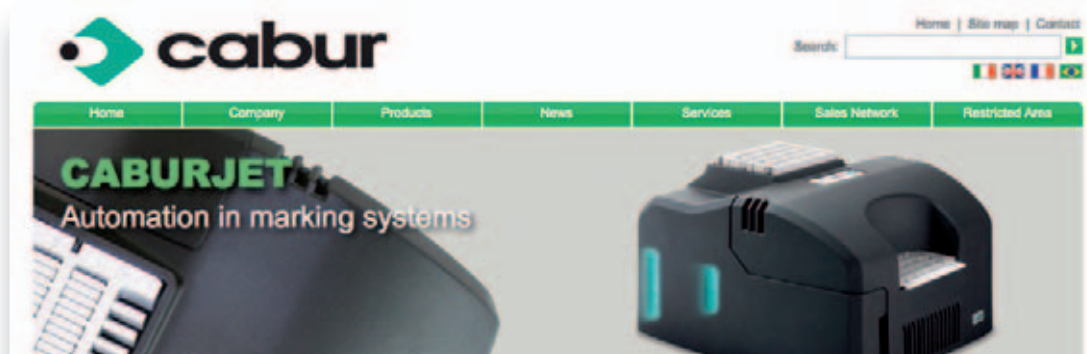
power supplies, analog modules, relay modules, signal converters

• **Connection systems for photovoltaic plants**

Connectors, tools, cables, brackets for mounting of photovoltaic panels, string boxes, control units, monitoring systems, surge protection devices, diodes, fuse-holders

• **Industrial marking systems**

printing systems, tags and accessories for wire and terminal block identification, tags for contactors and buttons, modular strips for distribution panels, panel identification tags, labels and signboards



If you wish to receive complete and updated technical documentation on Cabur products, please send a request using the dedicated form that you can download **online on the www.cabur.eu website**
<http://www.cabur.eu/documentations>

or just fill in, and send the form below

PLEASE SEND ME THE COMPREHENSIVE TECHNICAL DOCUMENTATION

Surname Name Function

Company Name Field of activity: Distributor Installer Panel builder Other

Address Town POSTCODE

Telephone Fax E-mail

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Signature

PLEASE PHOTOCOPY AND SEND BY FAX AT +39 019 58 999 280

Shortly after its foundation, back in 1952, Cabur became a leading manufacturer of electrical panel terminal blocks, by focusing on installers' needs and providing leading edge technical solutions that, in some cases, would become popular in the industry.

In particular, in our product design and manufacturing, we have pioneered a quality focus on raw materials, functionality, reliability over time, and respect for the environment. That is the reason why Cabur was granted Class 1E (Equipment for Nuclear Power Generating Stations) qualification as early as in 1985 and, in addition, the ISO 9001 (Quality) and ISO 14001 (Environment) certifications, as well as Notification of production in compliance with the ATEX Directive and the Certification Scheme IEC Ex for "Ex e" installations on the most important terminal block lines.



UNI EN-ISO 14001



UNI EN-ISO 9001

The headquarter

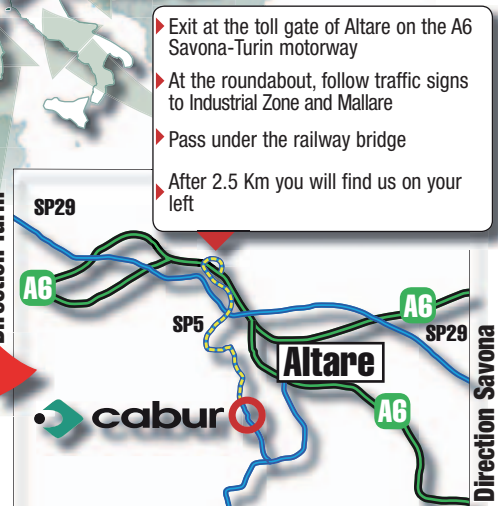
In 2006 Cabur invested in an advanced 15.000 sqm production site in Altare (SV). By doubling the production surface and increasing the staff with the recruitment of new people enabled the company to rationalise the production processes, logistics, and sales, and increase their efficiency.

Cabur develops and produces a wide range of products for the electric and electronic industry, based on its own projects, which are well known for their reliability even in extrem deployment conditions and are produced to satisfy the various and complex needs of installer and end users.



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Product range

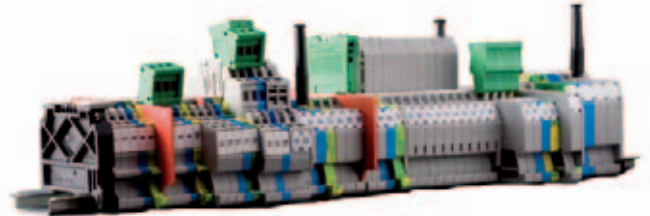
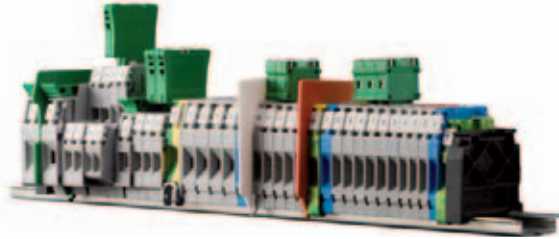
With over 60 years of experience, Cabur develops and produces, by its own designs, a wide range of products for the electrical industry, providing the best in working conditions, in terms of operability and reliability.

Current production of:

- Terminal blocks for electrical boards
- Electronic products for electrical boards
- Installation products
- Connection systems for photovoltaic equipments
- Industrial marking systems

Fully meets users' varied and complex installation needs.

Our varied and diversified production represents the optimal synthesis of Cabur's long experience as partner of Italy's most important Industries and Research Laboratories, combined with foreign activities and collaboration, always with the aim of pinpointing and meeting users' installation needs.



In particular as a result of a specific planning decision, products in our "standard" series are designed to meet the fundamental requirements of the most severe installation conditions and environments, thus avoiding to produce special product series for specific applications. This kind of planning has determined a clear qualitative improvement in the entire production, as well as a more streamlined and simplified product management, first of all to the advantage of the Distribution, which can guarantee to final Clients the most efficient service.



In addition to terminal blocks, Cabur product offering features a full range of electronic products for electric panels for plant and machine automation and process control. These products are designed for an easy deploy and for easy material management, thanks to the use of innovative and leading-edge technology.

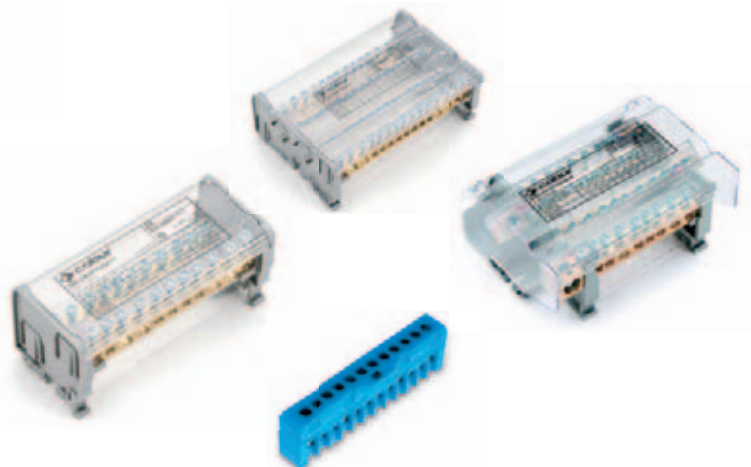


The line of products for industrial marking completes the range with innovative printing solutions, labels for wires, terminal blocks and buttons, tags and modular strips for distribution boards.

Highest ...mass produced quality

We guarantee top performance of our contacts and maximum flexibility of connection solutions.

A full range of standard products for automation panels is available at all major Wholesalers. Full support is provided by Cabur sales force both in Italy and in over 30 countries abroad, as well as by our Engineers, in order to provide our clients with the best installation solutions.



The new www.cabur.eu web site

On our web site, our customers and industry operators can always get up-to-date information on new products and sales offers. The data sheets of all Cabur products, including the items in this catalogue, are available online in electronic format, with a completely renewed data base structure, that can be consulted by its index or queried with an advanced research engine.

Moreover, on our web site you can:

- ask our specialists for technical information and application advice
- contact our sales staff and ask them for estimates
- download manuals and other technical literature
- get access to quality and compliance certificates
- look at our latest sales literature
- ask for free catalogues and brochures
- ... and much more.

By this newsletter, Cabur communicates also via e-mail its main innovations and commercial activities to all those who apply for it through the registration form.

In conclusion, Cabur web site (www.cabur.eu) is the ideal tool to get real time information and contacts with our company...



www.cabur.eu

Real time information on our company, products, and certifications



In order to be promptly updated about the availability of new technical and commercial documentation, please register on the site and join the newsletter service.

Quality and Environment

ISO 9001 CSQ Certification

Until recently, Cabur "Quality" was simply recognised through the appreciation of its customers. This has allowed the company to become a leader in Italy in the design, production and distribution of "terminal blocks for electrical panels" and, more recently, to extend its products offering to the segment of "electronic products" with recognised reliability levels in both Italian and foreign markets. Obviously, this cannot be the result of improvisation, but of a constant organisation process begun back in 1985 with the definition and implementation of a Quality Assurance Programme based on ANSI N 45.2 (referred to the particularly severe nuclear environment) that has involved the entire structure of the Company and has made each function and worker responsible for quality standards. Since 1995, CSQ (international institute for the certification of business quality systems) has certified the Quality system designed and adopted by Cabur. The Quality system refers to the most complete and severe standard amongst UNI EN ISO 9000 series defining the requirements for Total Quality in Companies, that is ISO 9001, including the activities of Product Design, Development, Manufacturing and Customer Service. After the issue of the new Edition of the Standard (ISO 9001:2008), the whole Quality System has been revised and renewed to be fully compliant with the new regulations.



UNI EN-ISO 9001



**THE QUALITY OF OUR PRODUCTS IS JUDGED BY OUR CUSTOMERS.
OUR QUALITY ASSURANCE SYSTEM IS CERTIFIED BY CSQ.**

ISO 14001 CSQ Certification

In its continuous improvement process, CABUR has adopted an environmental management system since 2001, obtaining the international CSQ UNI EN 14001 recognition. This goal represents a guarantee given of the respect Cabur has for the surrounding environment as well as a demonstration of the adoption of environmental safeguard rules and, additionally, a pledge for constant ecological improvement. This kind of Certification is still quite uncommon in Italy; Cabur has nevertheless been able to achieve and add it to its corporate philosophy, which is always aimed at the anticipation, rather than to the passive adaptation, of those needs that are becoming more and more urgent and global. Environment is undoubtedly one of these issues and, anticipating many other companies, not only in Italy, Cabur firmly decided to adopt a system that monitors and prevents environmental risk, inherent to every stage of its manufacturing process. Operational procedures and other paper documentation were unified and harmonised with the running Quality Assurance System and the manual, becoming of both Quality and Environmental Management, is now a complete reference point. The Quality Assurance and Environmental Management Department is at your complete disposal to provide any further information and/or clarification on the entire Quality / Environment System and Customer Service. Cabur can provide you with a copy of both CSQ and EQNET certificates, or with a copy of the Quality and Environmental Management manual.



UNI EN-ISO 14001



Standards and Directives

The 2002/95/CE Directive



Directive 2011/65/CE, known as RoHS 2, sets limits to the use of specific dangerous materials, listed in Annex II of the Directive, in electric and electronic devices.

The Directive applies exclusively to devices included in the following categories, as listed in attachment 1, i.e.:

1. Large appliances
2. Small appliances
3. IT and telecommunication appliances
4. Consumers' appliances
5. Lighting appliances
6. Electric and electronic tools.
7. Toys and devices for hobbies and sports
8. Medical devices
9. Monitors and control instruments, including industrial monitoring and control instruments
10. Vending machines
11. Other electric and electronic devices not listed in the above categories

Cabur Products' compliance to RoHS Directive

Products like terminal blocks and connectors are not considered electric or electronic appliances; nevertheless, in consideration of the needs of those Customers deploying these products into appliances and devices which are subject to the Directive, Cabur has decided to review its production to make it RoHS compliant.

From 2006, with the introduction of the former 2002/95/CE Directive, we have been disposing of non-compliant items, completely eliminating – wherever possible – the dangerous material and substances listed in Annex II from components in our production, with a Zero Tolerance mindset. Those materials remain in limited quantity, well below the limits set by the Directive, only in those components that cannot be efficiently and effectively produced with available alternative technological solutions.

Further information and updates are always available on www.cabur.eu.

Our staff is available for further details both on our products and on the application of the RoHS Directive.

CE Marking



All products in this catalogue meet all EU applicable standards when the catalogue was printed. Therefore, all required CE markings are placed on the products and on all product related documents.

Do not hesitate to contact our staff for any further information and/or explanations on Reference Standards. Cabur Customer Service can provide you with certificates of compliance to Reference Standards, type approvals, and CE markings.



Product Quality Assurance Notification according to ATEX 94/9/EC Directive and the Certification Scheme IEC Ex

The procedure for renewal of the Product Quality Assurance Notification, granted to our Company, in 2001, as a manufacturer of equipment intended for use in potentially explosive atmospheres (increased safety measures) and according to the requirements given by “**ATEX**” Directive 94/9/EC, has been completed with a positive outcome. It was renewed in 2008.

In 2007, activities relating to the part of the System were also judged to be perfectly suitable to meeting the requirements established by Certification Scheme IEC Ex, with the issue by the O.N. of the QAR (Quality Assessment Report) No. IT/CES/QAR07.0004/00, according to Certification Scheme IEC Ex. This recognition is of global importance.

The Product Quality Assurance Notification has been the most demanding stage in the process of Ex e Certificates conversion, which have been issued on the basis of the requirements given by elder European Directives, into updated documents.

The Notification procedure has included a first stage, characterised by the documentation analysis (Quality/Environment Manual + ATEX Quality Plan + Operational procedures), following which a preliminary visit took place (carried out at the Notifying Body premises).

Once the first step was successfully completed, the second (namely the Company Notification) took part and was carried out with the Certification visit.



ATEX Product Quality Assurance Notification

The relevant Notification number, granted by the Notifying Body is the following:

CESI 02 ATEX 028 Q

Our Quality and Environmental Management System today is consequently perfectly updated in order to fulfil also **ATEX** and **IEC Ex** Directive. As in the occasion of the Environmental Management Certification, the ATEX Notification represents a significant goal achieved in the **continual improvement** path.

Terminal blocks approved in conformity to ATEX 94/9/CE Directive

“increased safety” (**Ex e**) terminal blocks are manufactured according to IEC EN 60079-0 / IEC EN 60079-7 / IEC EN 61241-0 Stds. and bear, on the insulating body, the name of the product and the electrical characteristics.

ATEX Marking:

0722  **I M2 / II 2 G D**

0722 = number of the Notifying Body (CESI) for the ATEX surveillance

I M2 = group **I** (mines), category **M2**

II 2 G D = group **II** (surface), category **2 G** (gas) **D** (dust)

Ex e = type of protection

V = rated voltage

The marking  indicates the Conformity to UE 2006/95/CE Directive (Low Voltage).

IEC Ex Marking:

Ex e = safer protection mode

II = group **II** (surface)

Terminal blocks must be installed in Ex e enclosures; the enclosure / terminal blocks assembly must be subjected to separate certification.

The currents allowed for each terminal block, when used in potentially explosive environments (Ex e), are listed in the separated Certificate, granted to the assembly formed by terminal blocks + enclosure.

Rail assembly composition in potentially explosive (Ex e) environments

Each terminal block can be connected to contiguous elements by means of fixed cross-connections which are made unloosening by means of an elastic washer located under the head of the screw. For fixed cross-connections it is necessary to keep well separated the different phases, by interposing a coloured partition, having a thickness of 1.5 mm, between adjoining cross connections and between cross connections and adjoining terminal blocks.

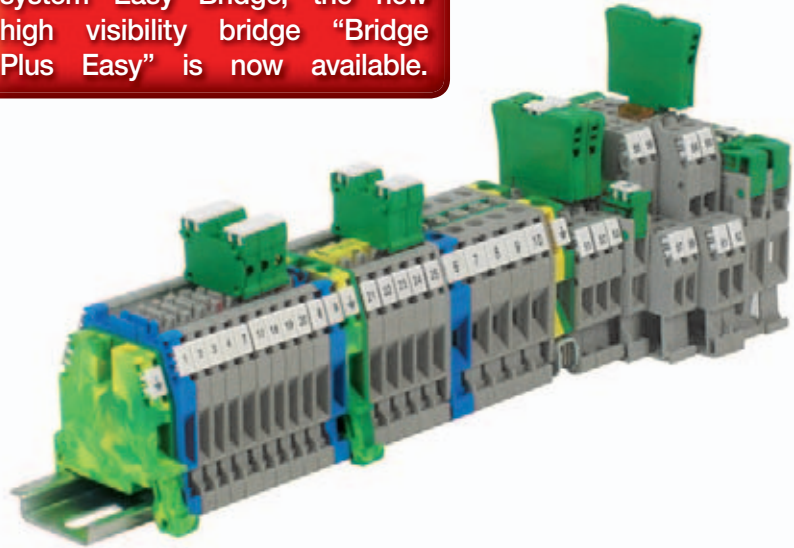
The multiple cross connection, by means of the commoning bar, can be connected to different terminal blocks, provided that they are adjoining one to another.

CBC Series

with UL94V-0 polyamide insulating body

- UL94V-0
- reduced overall dimension
- patented "Easy bridge" system: double possibility to insert PTC multi-pole cross-connections, without the need of insulating protection
- mounting onto PR/3 type rails, according to IEC 60715 Std., "TH/35" type
- available in grey RAL 7042
- **CESI 08 ATEX 061 U Ex e** certificate
I M2 / II 2 G D
operating temperature range: $-40 \div +80$ °C
- **CoC IEC Ex N. CES 09.0002U Ex e II**

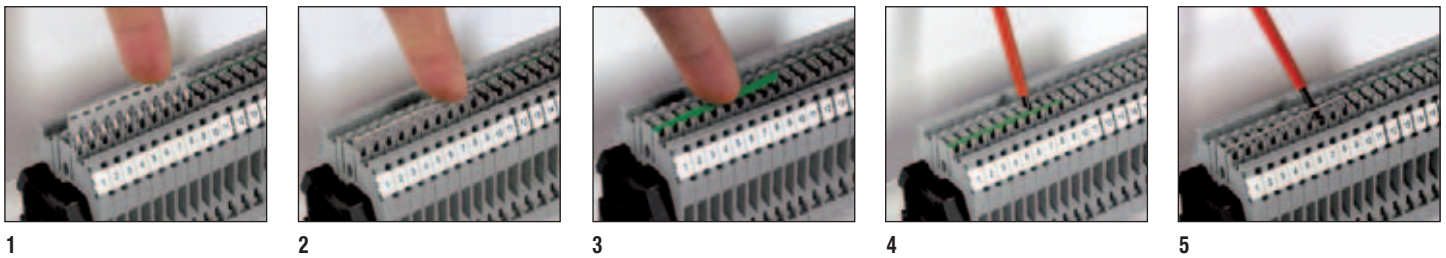
In addition to the traditional system Easy Bridge, the new high visibility bridge "Bridge Plus Easy" is now available.



Easy Bridge System

The cross-connection can be supplied in "standard" sizes, for 2-3-5-10 poles, or alternatively in lengths of 250 mm.

The design accuracy allows that terminal blocks having different cross-sections can nevertheless guarantee visual uniformity once the rail assembly is made.



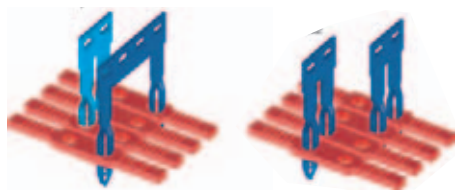
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2

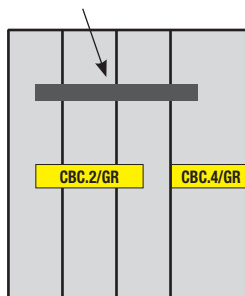
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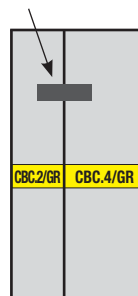
5



Multi-pole CBC.2/GR cross-connection



2 pole CBC.2/GR cross-connection



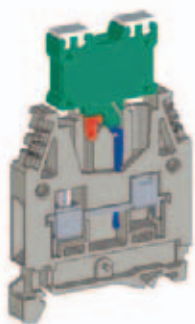
1-2 After having cut the bar according to the number of poles, insert the cross-connection, in the appropriate groove of the terminal block. At this point, by using the blade of a screwdriver, push down the cross-connection until it reaches its blocking point. The cross connection will be fully insulated and intrinsically IPXXB protected.

3-4 After having mounted the cross-connection, the connected poles can be outlined and detected by placing the PTC/SP green strip. This strip is supplied in a standard length of 100 mm and it can be easily cut to the appropriate length with the aid of a cutter.

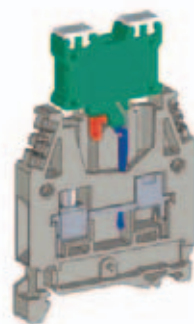
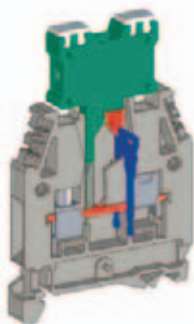
5 To remove the cross-connection, it is sufficient to remove the PTC/SP strip; insert the blade of the screwdriver in the jumper slot, then lift it up and finally extract it.

The "Easy Bridge" connection system guarantees the most diversified transversal connecting possibilities, even staggered.

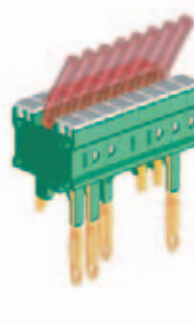
The jumpers can be used to connect in parallel terminal blocks having equal cross-section and the first of the adjoining group of terminal blocks of different size.



SDC mounted



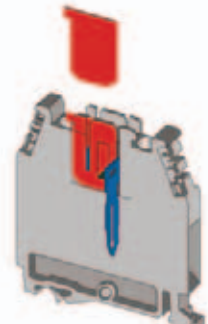
SDC/P mounted



SDC - SDC/P with conductors



DFM/900



DFM/800

CBC Series

with UL94V-0 polyamide insulating body

- UL94V-0
- reduced overall dimension
- patented "Easy bridge" system: double possibility to insert PTC multi-pole cross-connections, without the need of insulating protection
- mounting onto PR/3 type rails, according to IEC 60715 Std., "TH/35" type
- available in grey RAL 7042
- **CESI 08 ATEX 061 U Ex e** certificate I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- **CoC IEC Ex N. CES 09.0002U Ex e II**



(*): 24 A factory wiring only
(**): 32 A factory wiring only

Values in brackets are referred to the Ex e application

PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

Terminal block	Jumper	Insulation voltage in the above configurations (V)				
CBC.2/GR	PTC/2	630 (400)	630 (400)	1000 (400)	500 (320)	500 (320)
CBC.4/GR	PTC/4	630 (320)	500 (320)	800 (320)	500 (320)	500 (320)
CBC.6/GR	PTC/6	630 (320)	630 (320)	800 (320)	630 (250)	630 (250)

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
max current (*)	
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm

CBC.2/GR	
Cat. No. CBC02GR	
CBC.2 (Ex)i	
Cat. No. CBI02	
feed-through	2,5
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
1000 V / 32 A (4 mm²) / A3	
600 V / 20 A (*) / 20-12 AWG / 0,4 Nm	
27 A (2,5 mm²) / 37 A (4 mm²)	
500	
12 KV / 3	
9	
0,4 / 0,8	
52 / 44 / 5	
60 / 44 / 5	

CBC.4/GR	
Cat. No. CBC04GR	
CBC.4 (Ex)i	
Cat. No. CBI04	
feed-through	4
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
1000 V / 41 A (6 mm²) / A4	
600 V / 30 A (**) / 20-10 AWG / 0,5 Nm	
38 A (4 mm²) / 45 A (6 mm²)	
500	
12 KV / 3	
10	
0,5 / 1,2	
52 / 44 / 6	
60 / 44 / 6	

CBC.6/GR	
Cat. No. CBC06GR	
CBC.6 (Ex)i	
Cat. No. CBI06	
feed-through	6
0,2 ÷ 10	
0,2 ÷ 10	
6 - WP60/20	
1000 V / 57 A (10 mm²) / A5	
600 V / 50 A / 20-8 AWG / 1,7 Nm	
53 A (6 mm²) / 64 A (10 mm²)	
500	
12 KV / 3	
10	
0,8 / 1,4	
52 / 44 / 8	
60 / 44 / 8	

APPROVALS



ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper (same, Ex e version)	(A)
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
CBC.2-10/PT/GR	CB061GR
CBC.2-10/PT (Ex)i	CB1061
PTC/2/02 poles	PTC0202
PTC/2/03 poles	PTC0203
PTC/2/05 poles	PTC0205
PTC/2/10 poles	PTC0210
PTC/2/00 (50 poles)	PTC0200
24 / (21)	
PTC/SP	PTC0990
-	-
-	-
DFU/4	DU04..
DFM/800 - DFM/900	DF800-900
-	-
SDC/5 - SDC/5P	DC005-DC05P
SDC/POL	DCPOL
-	-
CNU/8/51	NU0851
PRP/7/G (100 mm)	PRP070G
-	-
-	-
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	-
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
CBC.2-10/PT/GR	CB061GR
CBC.2-10/PT (Ex)i	CB1061
PTC/4/02 poles	PTC0402
PTC/4/03 poles	PTC0403
PTC/4/05 poles	PTC0405
PTC/4/10 poles	PTC0410
PTC/4/00 (42 poles)	PTC0400
32 / (25)	
PTC/SP	PTC0990
-	-
-	-
DFU/4	DU04..
DFM/800 - DFM/900	DF800-900
-	-
SDC/6 - SDC/6P	DC006-DC06P
SDC/POL	DCPOL
-	-
-	-
CNU/8/61	NU0861
PRP/7/G (100 mm)	PRP070G
-	-
-	-
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	-
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
CBC.2-10/PT/GR	CB061GR
CBC.2-10/PT (Ex)i	CB1061
PTC/6/02 poles	PTC0602
PTC/6/03 poles	PTC0603
PTC/6/05 poles	PTC0605
PTC/6/10 poles	PTC0610
PTC/6/00 (31 poles)	PTC0600
41 / (35)	
PTC/SP	PTC0990
-	-
-	-
DFU/4	DU04..
DFM/800 - DFM/900	DF800-900
-	-
-	-
DFU/4	DU04..
DFM/800 - DFM/900	DF800-900
-	-
-	-
CNU/8/51	NU0851
PRP/7/G (100 mm)	PRP070G
-	-
-	-
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	-
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

CBC Series

with UL94V-0 polyamide insulating body

- UL94V-0
- reduced overall dimension
- patented "Easy bridge" system: double possibility to insert PTC multi-pole cross-connections, without the need of insulating protection
- mounting onto PR/3 type rails, according to IEC 60715 Std., "TH/35" type
- available in grey RAL 7042
- **CESI 08 ATEX 061 U** Ex e certificate I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- **CoC IEC Ex N. CES 09.0002U** Ex e II



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

Values in brackets are referred to the Ex e application

Terminal block	Jumper	Insulation voltage in the above configurations (V)					
CBC.10/GR	PTC/10	800 (250)	630 (320)		800 (250)	800 (250)	630 (250)
CBC.16/GR	PTC/10	(320)	(320)		(500)	-	-
CBC.35/GR	PTC/10	(250)	-		(630)	-	-

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
max current (*)	
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm

CBC.10/GR	
Cat. No. CBC10GR	
CBC.10 (Ex)i	
Cat. No. CBI10	
feed-through	10
1,5 ÷ 16	
1,5 ÷ 16	
10 - WP100/21	
1000 V / 76 A (16 mm ²) / B6	
600 V / 65 A / 14-6 AWG / 1,9 Nm	
70 A (10 mm ²) / 85 A (16 mm ²)	
400	
12 KV / 3	
12	
1,2 / 1,9	
52 / 44 / 10	
60 / 44 / 10	

CBC.16/GR	
Cat. No. CBC16GR	
CBC.16 (Ex)i	
Cat. No. CBI16	
feed-through	25
1,5 ÷ 25	
1,5 ÷ 25	
16 - WP160/22	
1000 V / 101 A (25 mm ²) / B7	
600 V / 100 A / 16-3 AWG / 2,8 Nm	
95 A (16 mm ²) / 114 A (25 mm ²)	
500	
12 KV / 3	
15	
2 / 3	
56 / 47 / 12	
64 / 47 / 12	

CBC.35/GR	
Cat. No. CBC35GR	
CBC.35 (Ex)i	
Cat. No. CBI35	
feed-through	50
2,5 ÷ 50	
2,5 ÷ 50	
35 - WP350/30	
1000 V / 150 A (50 mm ²) / B9	
600 V / 125 A / 20-1 AWG / 8,47 Nm	
134 A (35 mm ²) / 160 A (50 mm ²)	
630	
12 KV / 3	
18	
2,5 / 5	
63 / 56 / 16	
71 / 56 / 16	

APPROVALS



ACCESSORIES	
End sections	grey blue
Permanent cross connection (*)	intrinsically IPXXB protected once mounted
Rated current carrying capacity of jumper (same, Ex e version)	(A)
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
CBC.2-10/PT/GR	CB061GR
CBC.2-10/PT (Ex)i	CB1061
PTC/10/02 poles (*)	PTC1002
PTC/10/03 poles (*)	PTC1003
PTC/10/05 poles (*)	PTC1005
PTC/10/10 poles (*)	PTC1010
PTC/10/00 (25 poles) (*)	PTC1000
57 / (47)	
PTC/SP	PTC0990
-	
-	
DFU/4	DU04..
DFM/800 - DFM/900	DF800-900
-	
-	
PRP/7/G (100 mm)	PRP070G
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
CBC.16/PT/GR	CB161GR
CBC.16/PT (Ex)i	CB1161
POF/53	POF53
(PFX/53)	(PFX53)
(same, Ex e version)	
76 / (76)	
-	
POS/53	POS53
PMP/05	PMP05
CPM/53 (CPX/53)	CPM53 (CPX53)
DFU/4	DU04..
DFM/700	DF700
PSD/B	PD002
SDD/2	DD002
-	
-	
TUM/16 on 3 and 4	TUM16
-	
PRP/7	PRP07
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
CBC.35/PT/GR	CB351GR
CBC.35/PT (Ex)i	CB1351
POF/06	POF06
PFX/06	(PFX06)
(same, Ex e version)	
125 / (125)	
-	
PMP/06	PMP06
CPM/06 (CPX/06)	CPM06 (CPX06)
DFU/5	DU05..
DFM/700	DF700
PSD/B	PD002
SDD/2	DD002
-	
-	
TUM/06 on 3 and 4	TUM06
-	
PRP/8	PRP08
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

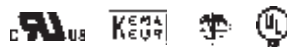
CBR Series

with **UL94V-0 polyamide insulating body**

- UL94V-0
- reduced overall dimension
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



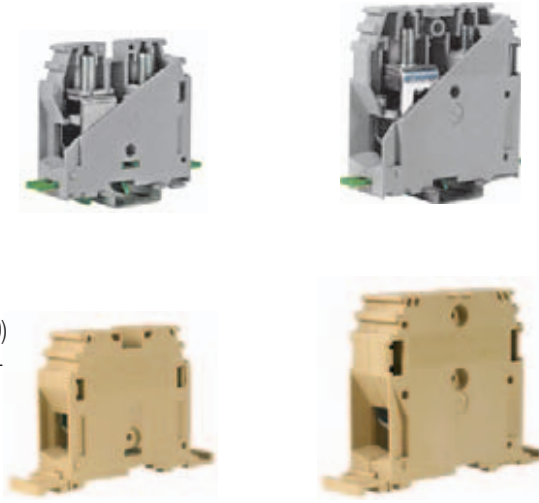
The **/GR** tag indicates the grey colour version.

grey version		CBR.2/GR	
		Cat. No.	CR110GR
beige version		CBR.2	
		Cat. No.	CR110
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type		feed-through (2 inputs / 2 outputs)	
rated cross-section	(mm ²)	2,5	
connecting capacity			
flexible	(mm ²)	0,2 ÷ 4	
rigid	(mm ²)	0,2 ÷ 4	
max. flexible with ferrule (mm ²)-ferrule type		2,5 - WP25/14	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	800 V / 24 A / A3	
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage	600 V / 15 A / 20-14 AWG / 5,5 lb.in	
rated impulse withstand voltage / pollution degree		-	
insulation stripping length	(mm)	8 KV / 3	
tightening torque value (test / max)	(Nm)	8 (upper) / 14,5 (lower)	
height / width / thickness	TH/35 7,5 mm	0,4 / 0,8	
height / width / thickness	TH/35 15 mm	52 / 43 / 5	
height / width / thickness	G32	60 / 43 / 5	
		56 / 43 / 5	
APPROVALS			
ACCESSORIES		Type	Cat. No.
End sections	grey beige blue	CBR/PT/GR	CR111GR
Permanent cross connection		CBR/PT	CR111
Rated current carrying capacity of jumper	(A)	PM/25/2 poles	PM252
Cross-connection identification strip (100 mm)	green	PM/25/3 poles	PM253
Switchable cross connection		PM/25/5 poles	PM255
Multiple common bar	250 mm	PM/25/10 poles	PM250
Shunting screw and sleeve		24	
Coloured partition	red, green, white	-	
Cross connection barrier	red	-	
Test plug socket		PMP/25	PMP25
Test plug		CPM/25	CPM25
Modular test plug		DFU/4	DU04..
End section for modular test plug		-	
Numbering strip		PSD/K	PD011
Warning plate	on adjacent terminal blocks	SDD/1	DD001
		-	
		-	
		-	
Cover for cross-connection		PRP/5	PRP05
Marking tag	printed or blank	CNU/8/51	NU0851
End bracket		BTU for PR/DIN and PR/3	BT005
		BTO for PR/3 only	BT007
		BT/3 for PR/3 only	BT003
		BT/DIN/PO	BT001
Mounting rail		PR/DIN/AC for PR/DIN and PR/3	PR001
according to IEC 60715 Std.		PR/DIN/AS same with slots	PR004
		PR/DIN/AL of aluminium	PR002
		PR/3/AC for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005

GPA Series power terminal blocks

with UL94V-0 polyamide insulating body

- mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- panel mount version available - M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to obtain compactness of the resulting rail assembly by means of an M3 threaded rod
- possibility to perform parallel cross-connections (GPA.70)
- standard version available in grey RAL 7042 and beige RAL 1001 colours; panel-mount version available in beige RAL 1001 colour



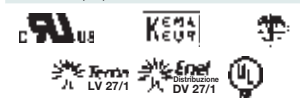
version suited to be used in (Ex)i "intrinsic safety" circuits (RAL 5015 blue colour)
GPA.70 (Ex)i Cat. No. GA410
GPA.95 (Ex)i Cat. No. GA110

The **/GR** tag indicates the grey colour version.

grey version	
beige version	
grey panel-mount version	
beige panel-mount version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
bars and/or cable lugs	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value - bar (test / recommended)	(Nm)
tightening torque value - cable (test / recommended)	(Nm)
height / width / thickness	┌ TH/35 7,5 mm
height / width / thickness	┌ TH/35 15 mm
height / width / thickness	┌ G32
height / width (fixing distance between centres) / thickness (panel mount)	

GPA.70/GR	Cat. No. GA400GR
GPA.70	Cat. No. GA400
GPA.70/FIX	Cat. No. GF400
feed-through	70
	10 ÷ 95
	10 ÷ 95
	-
	1000 V / 192 A / B11
	1000 V / 215 A / 8 AWG str. ÷ 4/0 AWG str. / 79,5 lb.in
	12 KV / 3
	25
	-
	6 / 9 (Allen screw, 4 mm wrench)
	70 / 91 / 20,5
	78 / 91 / 20,5
	75 / 91 / 20,5
	75 / 102 (88) / 20,5

GPA.95/GR	Cat. No. GA100GR
GPA.95	Cat. No. GA100
GPA.95/FIX	Cat. No. GF100
feed-through	95
	10 ÷ 95
	10 ÷ 120
	-
	1000 V / 232 A / B12
	1000 V / 232 A / 2 AWG sol./str. ÷ 250 MCM str. / 90 lb.in.
	12 KV / 3
	30
	-
	6 / 9 (Allen screw, 4 mm wrench)
	87 / 98 / 26
	95 / 98 / 26
	91 / 98 / 26
	91 / 111 (97) / 26



APPROVALS

ACCESSORIES	
End sections	grey beige
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	
Mounting rail support	flat for PR/DIN and PR/3 sloped for PR/DIN and PR/3
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

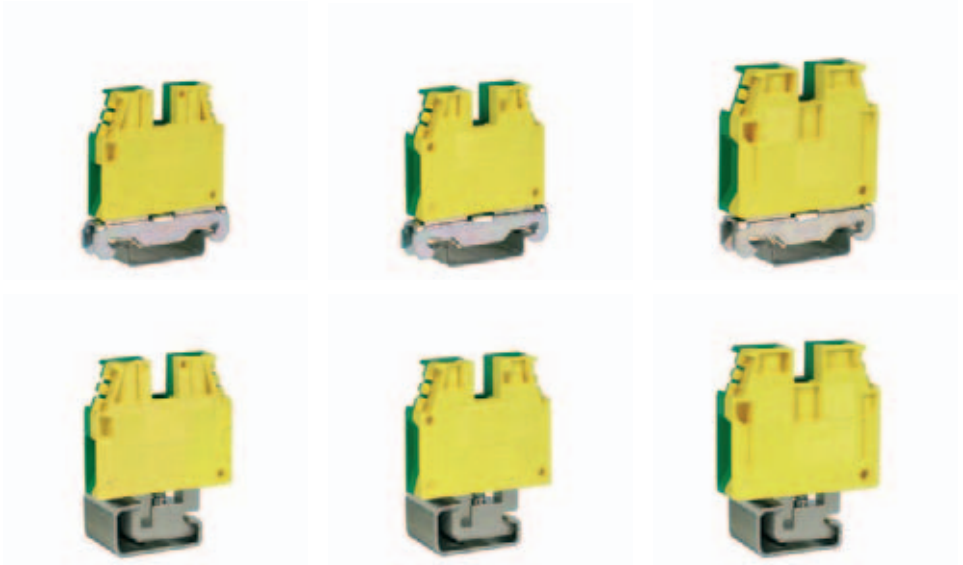
Type	Cat. No.
-	-
POF/70 (2 poles)	POF70
192	
PMP/08	PMP08
CPM/70	CPM70
DF/GPA/70	DU070
-	-
PSD/C	PD003
SDD/2	DD002
-	-
PRP/08	PRP08
ACI121213	Z121213
ACI121024	Z121024
CNU/8/51	NU0851
-	-
BTU for PR/DIN and PR/3	BT005
CDA/BT for PR/DIN only	CD003
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
ACI121213	Z121213
ACI121024	Z121024
CNU/8/51	NU0851
-	-
BTU for PR/DIN and PR/3	BT005
CDA/BT for PR/DIN only	CD003
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Earth terminal blocks

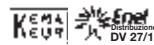
with UL94V-0 polyamide insulating body

- mounting onto PR/3 type rails - according to IEC 60715 Std., "TH/35" type
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- in 2 green / yellow insulating cases
- same profile and dimensions of the corresponding terminals of the CBC and GPA Series

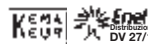


version to be mounted onto PR/3 rail	TEC.6/O	TEC.10/O	TEC.16/O
	Cat. No. T0120	Cat. No. T0510	Cat. No. T0220
version to be mounted onto PR/DIN rail	TEC.6/D	TEC.10/D	TEC.16/D
	Cat. No. TE120	Cat. No. TE510	Cat. No. TE220
TECHNICAL CHARACTERISTICS			
function / type	earth terminal block	earth terminal block	earth terminal block
rated cross-section (mm ²)	6	10	16
connecting capacity			
flexible (mm ²)	0,5 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
rigid (mm ²)	0,5 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
max. flexible with ferrule (mm ²)-ferrule type	6 - WP60/20	10 - WP100/21	16 - WP160/22
tensione nom. / corrente nom. / calibre sec. IEC 60947-7-2	- / 41 A / A5	- / 57 A / B6	- / 76 A / B7
rated voltage / rated current / AWG (Ex e) rated voltage (V)	-	-	-
rated impulse withstand voltage / pollution degree	12 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	10	12	18
tightening torque value (test / max) (Nm)	0,8 / 1,4	1,2 / 1,9	-
height / width / thickness TH/35 7,5 mm	52 / 44 / 8	52 / 44 / 10	56 / 47 / 12
height / width / thickness TH/35 15 mm	60 / 44 / 8	60 / 44 / 10	64 / 47 / 12
height / width / thickness G32	53 / 44 / 8	53 / 44 / 10	57 / 47 / 12

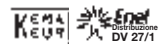
APPROVALS



UL, cUL, ATEX Ex e and IEC Ex pending



UL, cUL, ATEX Ex e and IEC Ex pending



UL, cUL, ATEX Ex e and IEC Ex pending

ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	-	-	-	-	-	-
Marking tag printed or blank	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
Numbering strip	-	-	CSC	CS...	CSC	CS...
End bracket	-	-	-	-	-	-
Mounting rail according to IEC 60715 Std.	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007
	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001
	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
	PR/3/AS same with slots	PR004	PR/3/AS same with slots	PR004	PR/3/AS same with slots	PR004
	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003
	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

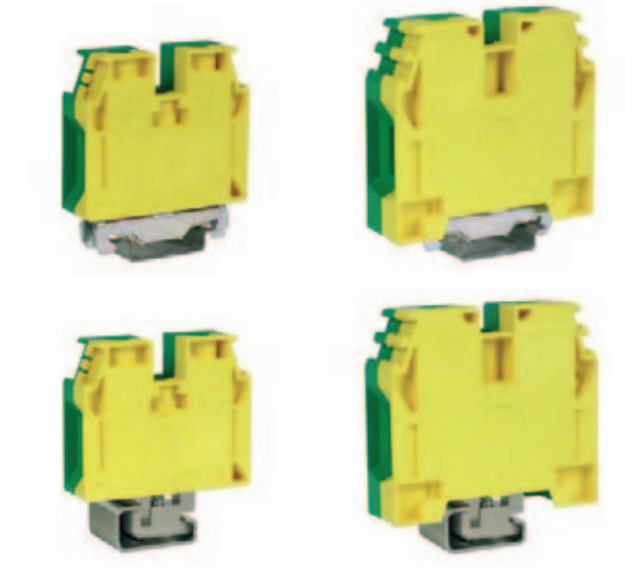
Rail profile	Material	Equivalent E-cu cross-section mm ²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	8,4	192
"Top hat" rail IEC 60715/TH 35 - 7,5	Steel	16	1,92	-
	Copper	50	6	150
	Aluminium	35	4,2	125
"Top hat" rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11,4	232

Taken from CEI EN 60947-7-2 standard

Earth terminal blocks

with UL94V-0 polyamide insulating body

- mounting onto PR/3 type rails - according to IEC 60715 Std., "TH/35" type
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- in 2 green / yellow insulating cases
- same profile and dimensions of the corresponding terminals of the CBC and GPA Series



version to be mounted onto PR/3 rail

TEC.35/O
Cat. No. **T0320**

TEC.70/O
Cat. No. **T0810**

version to be mounted onto PR/DIN rail

TEC.35/D
Cat. No. **TE320**

TEC.70/D
Cat. No. **TE820**

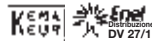
TECHNICAL CHARACTERISTICS

function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
tensione nom. / corrente nom. / calibro	sec. IEC 60947-7-2
rated voltage / rated current / AWG	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

earth terminal block	35
flexible	2,5 ÷ 50
rigid	2,5 ÷ 50
max. flexible with ferrule	-
sec. IEC 60947-7-2	- / 125 A / B9
UL	-
(Ex e) rated voltage	-
rated impulse withstand voltage / pollution degree	12 KV / 3
insulation stripping length	18
tightening torque value (test / max)	2,5 / 5
height / width / thickness	63 / 56 / 16
height / width / thickness	71 / 56 / 16
height / width / thickness	64 / 56 / 16

earth terminal block	71
flexible	10 ÷ 95
rigid	10 ÷ 95
max. flexible with ferrule	-
sec. IEC 60947-7-2	- / 192 A / B11
UL	-
(Ex e) rated voltage	-
rated impulse withstand voltage / pollution degree	12 KV / 3
insulation stripping length	25
tightening torque value (test / max)	6 / 9 (vite cava esag. chiave 4 mm)
height / width / thickness	74 / 70 / 20,5
height / width / thickness	81,5 / 70 / 20,5
height / width / thickness	75 / 70 / 20,5

APPROVALS



UL, cUL, ATEX Ex e and IEC Ex pending



UL, cUL, ATEX Ex e and IEC Ex pending

ACCESSORIES

End sections	
Marking tag	printed or blank
Numbering strip	
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/3/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/3/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

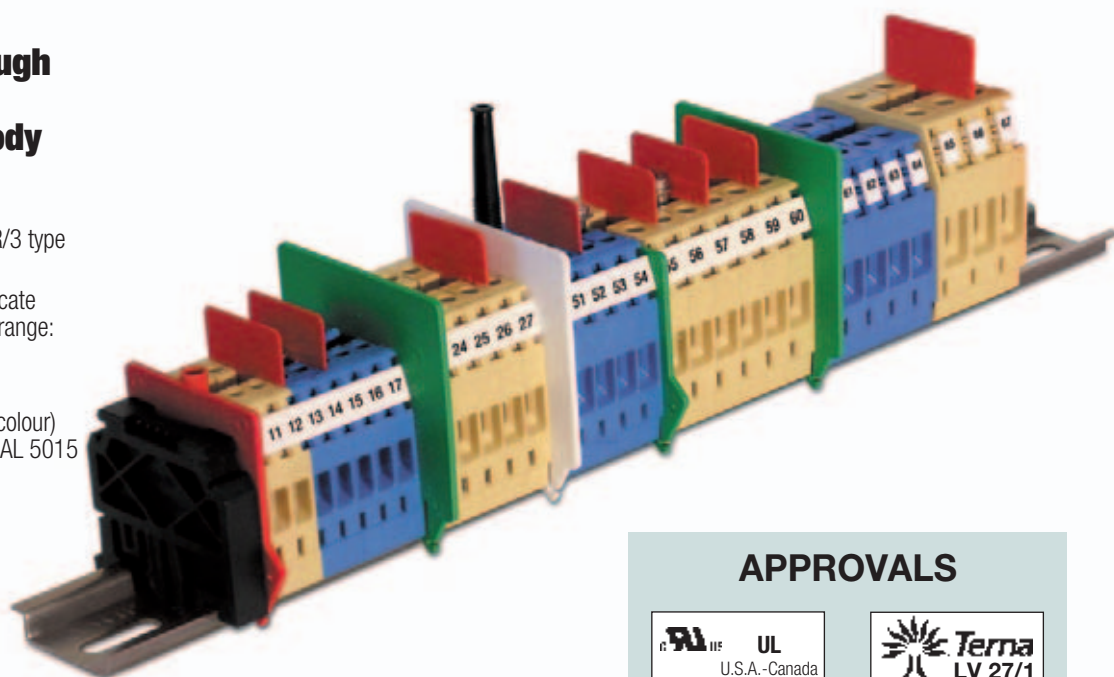
Rail profile	Material	Equivalent E-cu cross-section mm ²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	8,4	192
"Top hat" rail IEC 60715/TH 35 - 7,5	Steel	16	1,92	-
	Copper	50	6	150
	Aluminium	35	4,2	125
"Top hat" rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11,4	232

Taken from
CEI EN 60947-7-2
standard

CBD Series

Screw-clamp feed-through terminal blocks with polyamide insulating body

- UL94V-0 flame behaviour
- universal mounting onto PR/DIN and PR/3 type rails according to IEC 60715 Std.
- **CESI 01 ATEX 090 U Ex e** certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C
- **CoC IEC Ex CES 09.0009U Ex e II**
- available in standard (beige RAL 1001 colour) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions



The CBD Series consists of eight sizes, featuring:

- reduced overall dimension
- high connecting capacity
- superior effective current carrying capacity, with respect to the prescribed reference values
- very low contact resistance of the resulting connection
- materials of excellent quality and, consequently, maximum reliability throughout time
- very practical usage

Cabur has always designated every product through a type reference, consisting of letters (usually 3) and a number, with an interposing full-stop.

With this number the **rated cross-section** of the terminal block itself has always been defined;

this value, as the reference Standard states “...is a value of connectable conductor cross-section, stated by the manufacturer, and to which certain thermal, mechanical and electrical requirements are referred”.

Nevertheless, the application field of the terminal block is much wider and is defined by its **connecting capacity**, in other words the range of conductor sizes, both rigid and flexible, minimum and maximum, that a terminal block can connect, fully respecting all the parameters given by the reference standards.

In the following table, in fact, the “usual” type reference of every terminal block has been integrated with the addition, after the existing digits which retain the indication of the rated cross-section, of another numerical value (written in smaller characters, in red and separated by the digits indicating the rated cross-section by a /). This second group of digits represents, in mm², the **maximum size of the flexible conductor that can effectively be connected to the terminal block**. If rigid conductors (solid or stranded) are to be connected, reference must be always made to the indications given by the relevant technical characteristics of each product and under “connecting capacity”; in most cases in fact the size of the maximum rigid conductor is even greater.

By stating the wide connecting capacity feature, with the occasion some sizes among the CBD Series have been reconsidered; firmly maintaining the eight rated cross-sections, the existing types CBD.25 and CBD.35 have been reviewed and, after the actions and the verifications which have taken place, re-evaluated as **CBD.35 e CBD.50**; the latter rated cross-section up to this point, has never considered within Cabur product range, but has nevertheless wide use.

APPROVALS

UL
U.S.A.-Canada

Terna
LV 27/1

KEMA-KEUR
The Netherlands

CESI
ATEX Ex e
Italy

Enel
Distribuzione
DV 27/1

R.I.N.A.
Italy

Type	Rated cross section (mm ²)	Flexible conductor (mm ²)		Rigid conductor (mm ²)		Gauge	Max. current (A)
		min.	max.	min.	max.		
CBD.2/4	2,5	0,5	4	0,5	4	A3	29
CBD.4/6	4	0,5	6	0,5	6	A4	40
CBD.6/10	6	0,5	10	0,5	10	A5	58
CBD.10/16	10	0,5	16	0,5	16	B6	77
CBD.16/25	16	0,5	25	0,5	25	B7	104
CBD.35/35	35	0,5	35	0,5	50	B8	147
CBD.50/50	50	1,5	50	1,0	70	B9	180
CBD.70/95	70	1,5	95	1,0	95	B11	250

type of connection:

by means of screws, on both sides, indirect and anti-loosening. The tightening screws are accessible only with an adequate screwdriver and the particular shape of the screws makes it impossible to lose them. The tightening process by means of screws ensures the best mechanical performance and efficiency of the current flow. It is suitable for the connection, with or without preparation of conductors of all cross-sections. The tightening and un-tightening operations are extremely simple and they can be carried out with tools, such as screwdrivers, which are always at hand. It is however important to use an appropriately sized screwdriver in order to avoid the damaging either of the screw itself or the insulating body.

conducting body:

of the tube type **entirely of a copper and zinc alloy and treated with nickel-plating**; the characteristics of the material used and the manufacturing methods are such as to avoid the phenomenon of "seasoning cracking".

tightening reliability:

special orthogonal grooves on the bottom of the conducting body and on the lower surface of the pressure plates, ensure under all conditions the perfect electrical contact with the conductors and an efficient mechanical clamp. The grip is made particularly effective by the spring function of the pressure plate, which in a certain way and under the pushing action of the screws, tends to flex; in this way a reaction to the head of the screw itself, is exerted, resisting unscrewing, even under dynamic stress (vibrations).

ease of insertion:

insertion of the conductor into the terminal block is made easy by:

- sloping entrance planes on the insulating body
- the rounded edges of the pressure plate
- an appropriately sized entrance hole, with reference to the diameter of the maximum permitted conductor. The depth into which the conductor can be inserted is limited by a partition in the insulating body.

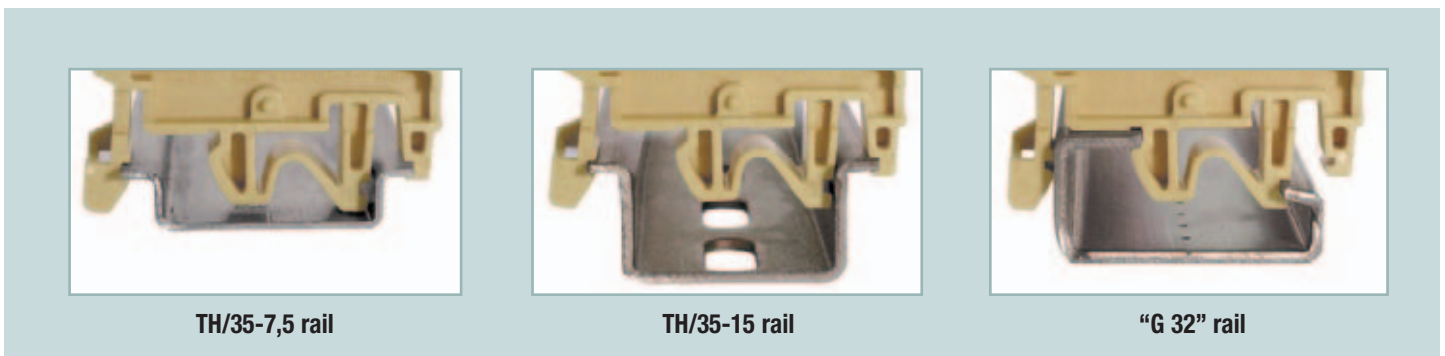
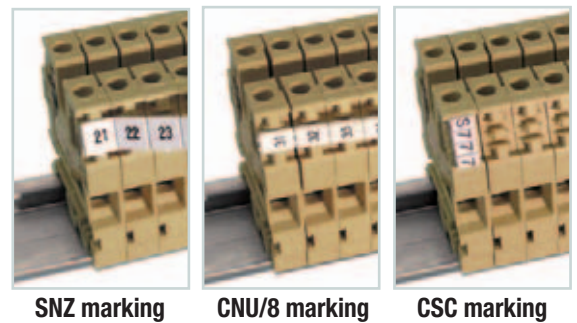
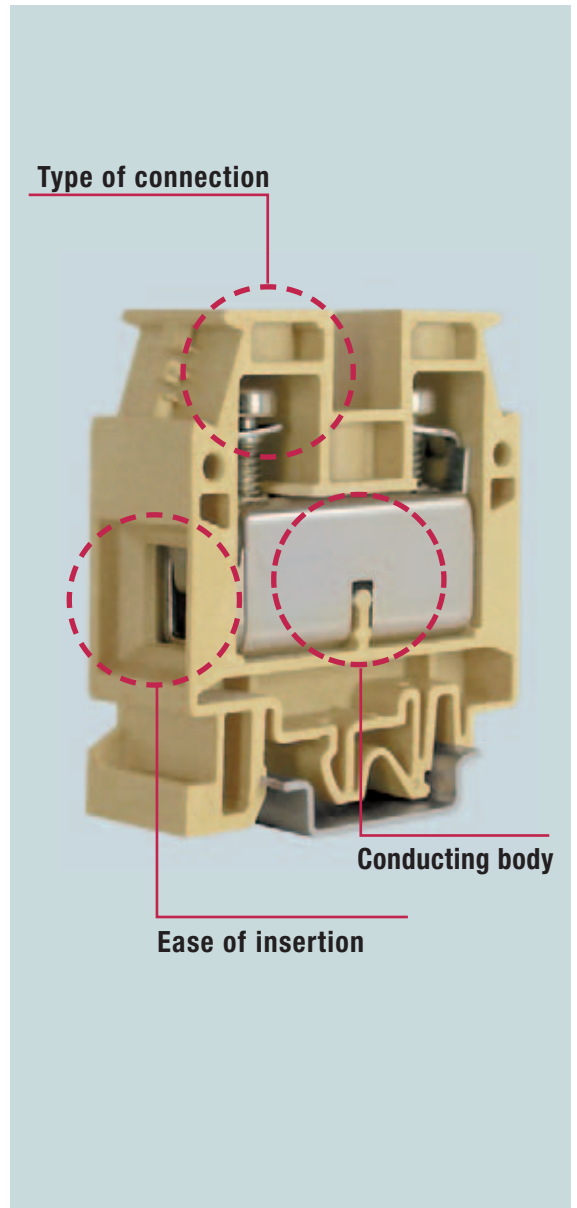
other functions:

besides their main as feed-through function, CBD terminal blocks are designed in such a way as to carry out other functions. In fact, by means of a prearranged threaded hole on the upper side of the conducting body it is possible:

- to create a cross-connection (either permanent or switchable) between two adjoining terminal blocks
- to create a multiple common bar connection between several adjoining terminal blocks
- to insert a socket for a test plug
- to insert a composable test plug for multiple signal shunting.

marking: all CBD terminal blocks can be marked on both sides by using CNU/8, SNZ or CSC marking tags (the latter system allows the composition of alphanumeric marking up to a maximum of 6 characters (an ADR/6 adapter though is required if more than 4 characters are to be inserted on each side).

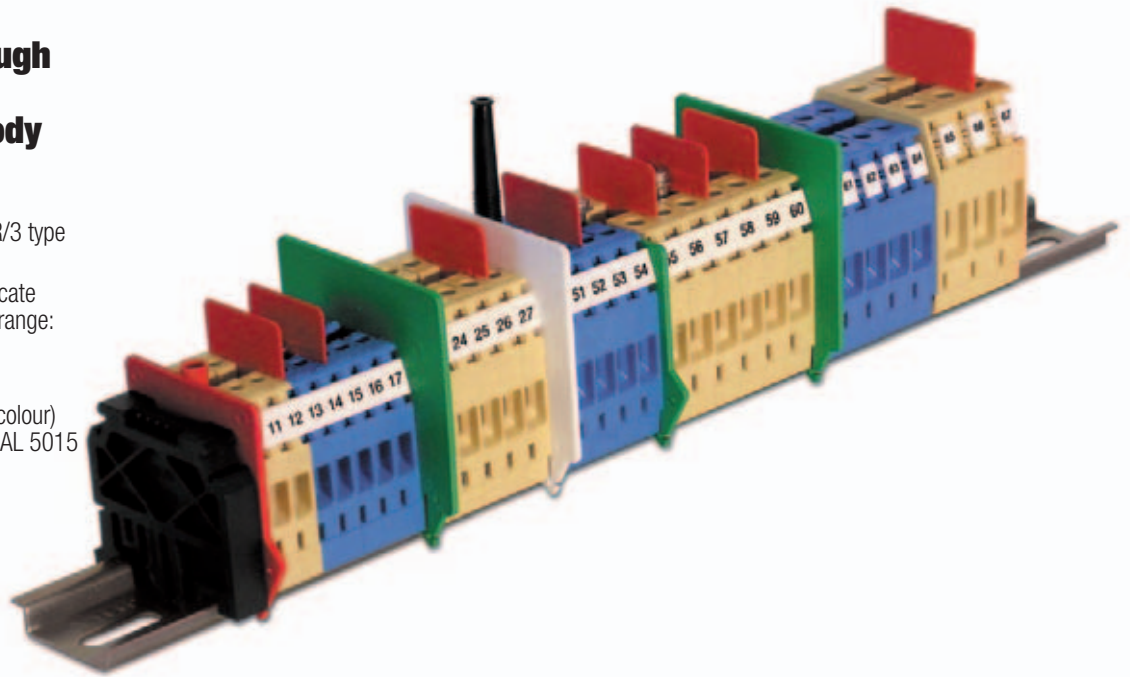
mounting: CBD series polyamide terminal blocks are designed to be mounted on two types of rail, "G32" or "TH/35" (acc. to the IEC 60715), with obvious advantages towards supply, management and use in general of the product.



CBD Series

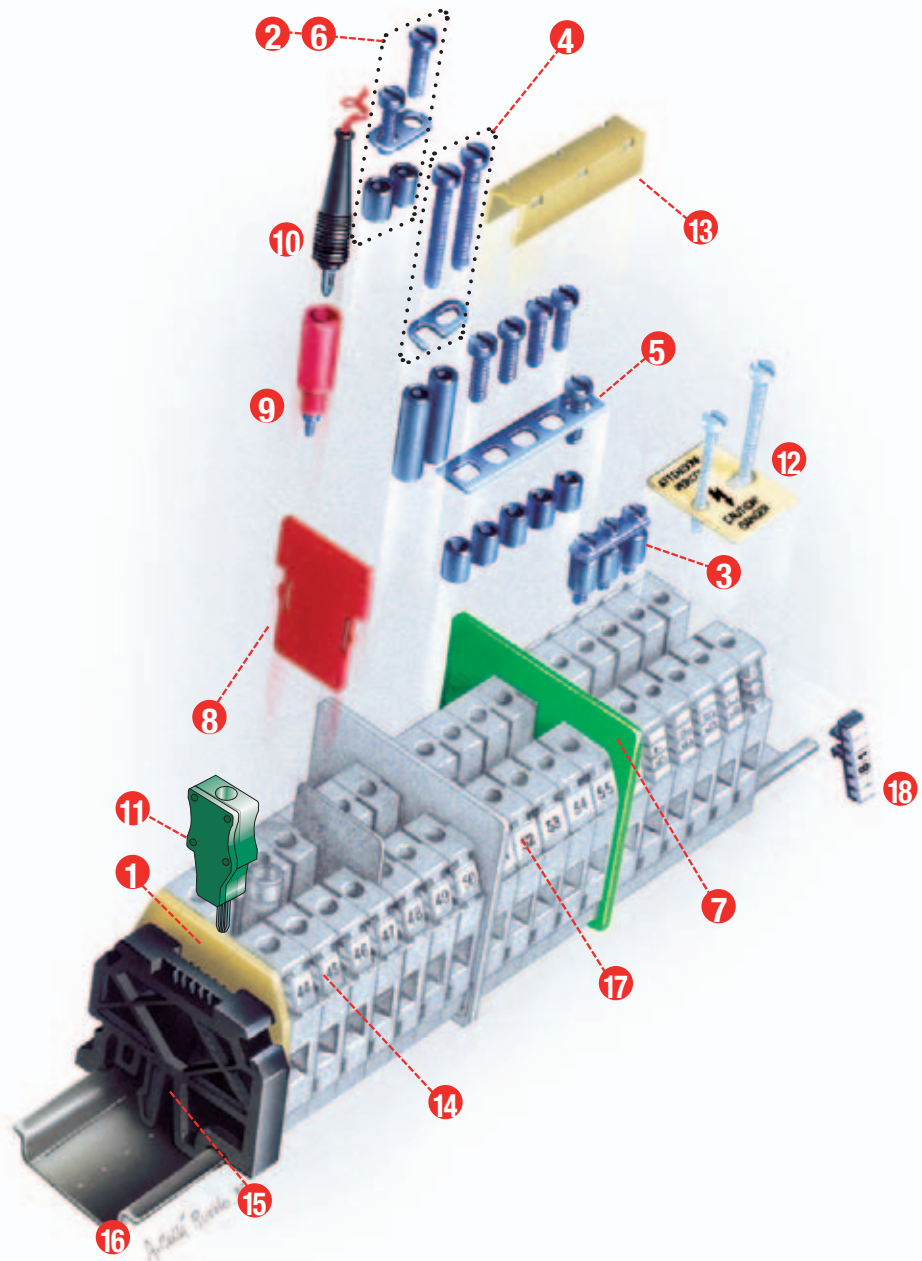
Screw-clamp feed-through terminal blocks with polyamide insulating body

- UL94V-0 flame behaviour
- universal mounting onto PR/DIN and PR/3 type rails according to IEC 60715 Std.
- **CESI 01 ATEX 090 U** Ex e (Ex) certificate I M2 / II 2 G D operating temperature range: $-40 \div +80$ °C
- **CoC IEC Ex CES 09.0009U** Ex e II
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



Accessories

- 1 End section
- 2 Permanent cross connection
- 3 Pre-assembled cross connection
- 4 Switchable cross connection
- 5 Multiple cross connection
- 6 Shunting screw and sleeve
- 7 Coloured partition
- 8 Cross connection barrier
- 9 Test plug socket
- 10 Test plug
- 11 Modular test plug
- 12 Warning plate
- 13 Cross connection cover
- 14 Marking tag
- 15 End bracket
- 16 Mounting rail
- 17 Numbering strip
- 18 Tag adapter

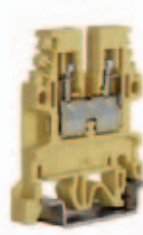


Various accessories (the picture shows those specific to the CBD series, some of which are also used for other models)

CBD Series

with **UL94V-0 polyamide insulating body**

- UL94V-0
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- **CESI 01 ATEX 090 U** Ex e certificate I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- **CoC IEC Ex CES 09.0009U** Ex e II
- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the instructions given on page A14
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



(**): 25 A factory wiring only

(**): 32 A factory wiring only

(***) if shielded cables are to be connected, when using CB/SH screening lug, the rated voltage is reduced to 200 V

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage / (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	beige blue
Permanent cross connection	
Rated current carrying capacity of jumper (same, Ex e version)	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	
Screening lug	

CBD.2	
Cat. No.	CB110
CBD.2 (Ex)i	
Cat. No.	CBX12
feed-through	2,5
	0,5 ÷ 4
	0,5 ÷ 4
	2,5 - WP25/14
	800 V / 24 A / A3
	600 V / 20 A (*) / 20-12 AWG / 5,5 lb.in
	400 V / 630 V
	8 KV / 3
	13
	0,4 / 0,8
	47 / 40,5 / 5,5
	55 / 40,5 / 5,5
	51 / 40,5 / 5,5



Type	Cat. No.
CB2/PT	CB111
CB2/PT (Ex)i	CBX13
PM/20/2 poles (pre-assembled)	PM202
PM/20/3 poles (pre-assembled)	PM203
PM/20/5 poles (pre-assembled)	PM205
PM/20/10 poles (pre-assembled)	PM210
24 / (24)	
POS/11	POS11
PMP/01	PMP01
CPM/21 (CPX/21)	CPM21 (CPX21)
DFU/1	DU01..
DFM/600	DF600
PSD/D	PD004
SDD/1	DD001
SDD/5	DD005
SD5/PT	DD501
-	-
TQM/02 su 4	TQM02
-	-
PRP/6	PRP06
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005
CB0/SH (*)	CB009

CBD.4	
Cat. No.	CB240
CBD.4 (Ex)i	
Cat. No.	CBX24
feed-through	4
	0,5 ÷ 6
	0,5 ÷ 6
	4 - WP40/16
	800 V / 32 A / A4
	600 V / 30 A (**) / 20-10 AWG / 8,9 lb.in
	500 V / 630 V
	8 KV / 3
	14
	0,5 / 1,2
	52 / 44 / 6,5
	60 / 44 / 6,5
	56 / 44 / 6,5



Type	Cat. No.
CB4/6/PT	CB241
CB4/6/PT (Ex)i	CBX25
PM/40/2 poles (pre-assembled)	PM402
PM/40/3 poles (pre-assembled)	PM403
PM/40/5 poles (pre-assembled)	PM405
PM/40/10 poles (pre-assembled)	PM400
32 / (32)	
POS/42	POS42
PMP/42	PMP42
CPM/12 (CPX/12)	CPM12 (CPX12)
DFU/4	DU04..
DFM/600	DF600
PSD/A	PD001
SDD/1	DD001
SDD/6	DD006
SD6/PT	DD601
-	-
TQM/12 su 3 e su 4	TTM12
-	-
PRP/6	PRP06
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005
CB0/SH (*)	CB009

CBD.6	
Cat. No.	CB340
CBD.6 (Ex)i	
Cat. No.	CBX34
feed-through	6
	0,5 ÷ 10
	0,5 ÷ 10
	6 - WP60/20
	800 V / 41 A / A5
	600 V / 50 A / 20-8 AWG / 13,3 lb.in
	500 V / 630 V
	8 KV / 3
	14
	0,8 / 1,4
	52 / 44 / 8
	60 / 44 / 8
	56 / 44 / 8

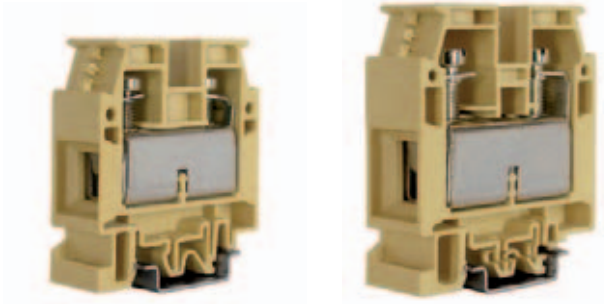


Type	Cat. No.
CB4/6/PT	CB241
CB4/6/PT (Ex)i	CBX25
PM/60/2 poles (pre-assembled)	PM602
PM/60/3 poles (pre-assembled)	PM603
PM/60/5 poles (pre-assembled)	PM605
PM/60/10 poles (pre-assembled)	PM610
41 / (41)	
POS/93	POS93
PMP/13	PMP13
CPM/83 (CPX/83)	CPM83 (CPX83)
DFU/4	DU04..
DFM/600	DF600
PSD/N	PD013
SDD/1	DD001
-	-
-	-
TTM/15 su 3	TTM15
TQM/15 su 4	TQM15
PRP/7	PRP07
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005
CB0/SH (*)	CB009

CBD Series

with **UL94V-0 polyamide insulating body**

- UL94V-0
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- **CESI 01 ATEX 090 U** Ex e certificate I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- **CoC IEC Ex CES 09.0009U** Ex e II
- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the instructions given on page A14
- available in beige RAL 1001 and grey RAL 7042 or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour)



(*): 150 A factory wiring only

beige version	
grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage / (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	beige grey blue
Permanent cross connection (same, Ex e version)	
Rated current carrying capacity of jumper (same, Ex e version)	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	
Screening lug	

CBD.50	Cat. No.	CB710
CBD.50/GR	Cat. No.	CB710GR
CBD.50 (Ex)i	Cat. No.	CBX72
feed-through		
50		
1,5 ÷ 50		
1 ÷ 70		
50 - WP500/40		
800 V / 150 A / B9		
600 V / 130 A (*) / 16-1 AWG / 33,2 lb.in.		
630 V / 630 V		
8 KV / 3		
22		
2,5 / 5		
62 / 57 / 18		
70 / 57 / 18		
66 / 57 / 18		



CBD.70	Cat. No.	CB810
CBD.70/GR	Cat. No.	CB810GR
CBD.70 (Ex)i	Cat. No.	CBX82
feed-through		
70		
1,5 ÷ 95		
1 ÷ 95		
-		
800 V / 192 A / B11		
600 V / 220 A / 12 - 4/0 AWG / 50 lb. in.		
630 V / 630 V		
8 KV / 3		
26		
3 / 8		
71 / 62 / 20,5		
79 / 62 / 20,5		
75 / 62 / 20,5		



Type	Cat. No.
CB50/PT	CB711
CB50/PT/GR	CB711GR
CB50/PT (Ex)i	CBX73
POF/07 (PFX/07)	POF07 (PFX07)
150 / (150)	
POS/77	POS77
PMP/07	PMP07
CPM/07 (CPX/07)	CPM07 (CPX07)
DFU/5	DU05..
DFM/700	DF700
PSD/C	PD003
SDD/2	DD002
-	
TUM/07 on 3 and on 4	TUM07
-	
PRP/8	PRP08
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005
-	

Type	Cat. No.
CB70/PT	CB811
CB70/PT/GR	CB811GR
CB70/PT (Ex)i	CBX83
POF/08 (PFX/08)	POF08 (PFX08)
192 / (155)	
POS/08	POS08
PMP/08	PMP08
CPM/08 (CPX/08)	CPM08 (CPX08)
DFU/6	DU06..
DFM/700	DF700
PSD/C	PD003
SDD/2	DD002
-	
TUM/08 on 3 and on 4	TUM08
-	
PRP/8	PRP08
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005
-	

GPM Series high current terminal blocks

with UL94V-0 polyamide
insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- panel mount version available
- possibility to perform cross-connections
- available in /BB (bar-bar), /BC (bar-cable), /CC (cable-cable) versions
- available in beige RAL 1001 colour



tightening reliability: the reliability of the connection (cable-lugs or bars) is guaranteed by screw and nut clamping, with one flat and one spring washer, having the function of counteracting the effects of high dynamic stress. In the versions designed for the connection of conductors without special preparation, the reliability of the connection is assured by the special wrapping shape of the pressure plate. The spring reaction to the pressing force of the conductor works as a block under the head of the tightening screw, avoiding unloosening, even in presence of vibrations.

The conducting bar is also manufactured with an equivalent concave housing as to increase the clamping effectiveness on the conductors. In addition, the contact surfaces of both the pressure plate and the concave housing of the conducting busbar are provided, on their whole length, with cross grooving which improves the connection characteristics. The mechanical retention of the conductors guarantees low resistance of the resulting electrical contact.

warning protection: all the versions are contained in particularly articulated insulating bodies which guarantee an **IPXXB** degree of protection, without the need of any further accessory. Every insulating body, made in thermoplastic material, is manufactured in two specular half-shells which fit into each other by means of centring pins. In addition on the lower and internal part of the terminal block, eight embedding tabs give added safety to the terminal block itself. The side walls of the half-shells are stiffened and box like; this not only improves the aesthetic aspect of these large terminal blocks, but also guarantees improved stability and linearity to the entire installation. The different versions, obviously, have different but always innovative and original solutions to the problem of guaranteeing the IPXXB protection degree. In fact in appropriate seats inside the side walls of the half-shells the following may be inserted:

- **protection for the "bar" versions:** this protection, which in normal installation conditions is in a longitudinal position in respect to the axis of the terminal block, can be easily rotated with the simple aid of a screwdriver (as mentioned in the safety regulations). In this way, access can be guaranteed into the connection unit and for all the cable lugs or bars for tightening and loosening operations,
- **protection for the "cable" versions:** in this case the protection is fixed and has a click insertion. It is orthogonal to the axis of the terminal block and it protects the wire clamping collar, the pressure plate and the tightening screw.

This type of protection is provided with a "sliding gate" device, which is vertical to the terminal block protection and in line with the conductors insertion hole; it allows, with manual action with the best safety conditions, to close partially or totally the hole itself and to protect the live parts, when using conductors having a cross-section much lower than the rated one or when wiring the terminal block only on one side.

mounting: due to their large dimensions and as they bear high strain caused by the stress generated by the conductors, a new rail mounting system has been researched into and designed for them. These terminal blocks can be mounted on different types of rails (conf. to IEC 607155). The dismantling from the rail of the terminal block can take place with the aid of a simple screwdriver, inserted in the vent-hole of the mounting system itself (yellow part). If the rails themselves are to be installed on a straight wall, the size of GPM terminal blocks make the use of flat rail supports indispensable so that the terminals can be adequately distanced from the surface. For each terminal block, a /FIX version for the direct panel-mount is available.

marking: identification on both sides can be made on all the terminal blocks of GPM series, despite the size, with either CNU/8 type (2 elements) or CSC (up to 5 elements) marking tags. It is not necessary to use one or the other type: they can be used together.

cross-connection: with this series of products it is also possible to create a cross connection between two or three adjoining terminal blocks by using the appropriate jumper. The pre-cut diaphragm on the side wall of the insulating body must be removed before the insertion of this accessory. Even when the cross-connection is in place, the assembled terminal board provided with these accessories guarantees an IPXXB protection degree, without the need of any further cover.



GPM Series high current terminal blocks

with UL94V-0 polyamide
insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- panel-mount version available - M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to perform parallel cross-connections
- available in beige RAL 1001 colour



standard version



panel-mount version

(* distance between the cable lug fixing screw axis and the conducting body: 10 mm

(* distance between the cable lug fixing screw axis and the conducting body: 12 mm

(* distance between the cable lug fixing screw axis and the conducting body: 15 mm

standard version	
panel-mount version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
bars and/or cable lugs	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value –bar (test / recommended)	(Nm)
tightening torque value –cable (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32
height / width (fixing distance between centres) / thickness (panel-mount)	

GPM.95/BB		GPM.150/BB		GPM.240/BB	
Cat. No.	GP100	Cat. No.	GP400	Cat. No.	GP700
GPM.95/BB/FIX		GPM.150/BB/FIX		GPM.240/BB/FIX	
Cat. No.	GP110	Cat. No.	GP410	Cat. No.	GP710
feed-through	95	feed-through	150	feed-through	240
flexible	-	flexible	-	flexible	-
rigid	-	rigid	-	rigid	-
22 mm maximum width (M8 bolt) (*)	1000 V / 269 A / -	32 mm maximum width (M10 bolt) (*)	1000 V / 353 A / -	40 mm maximum width (M12 bolt) (*)	1000 V / 452 A / -
12 KV / 3	-	12 KV / 3	-	12 KV / 3	-
6 / 9 (13 mm wrench)	-	10 / 15 (17 mm wrench)	-	14 / 21 (19 mm wrench)	-
81 / 176 / 32	81 / 176 / 32	81 / 200 / 42	81 / 200 / 42	89 / 250 / 52	96 / 250 / 52
88 / 176 / 32	85 / 176 / 32	85 / 200 / 42	76 / 200 (158) / 42	93 / 250 / 52	84 / 250 (172) / 52

GPM.95/BB		GPM.150/BB		GPM.240/BB	
Cat. No.	GP100	Cat. No.	GP400	Cat. No.	GP700
GPM.95/BB/FIX		GPM.150/BB/FIX		GPM.240/BB/FIX	
Cat. No.	GP110	Cat. No.	GP410	Cat. No.	GP710
feed-through	95	feed-through	150	feed-through	240
flexible	-	flexible	-	flexible	-
rigid	-	rigid	-	rigid	-
22 mm maximum width (M8 bolt) (*)	1000 V / 269 A / -	32 mm maximum width (M10 bolt) (*)	1000 V / 353 A / -	40 mm maximum width (M12 bolt) (*)	1000 V / 452 A / -
12 KV / 3	-	12 KV / 3	-	12 KV / 3	-
6 / 9 (13 mm wrench)	-	10 / 15 (17 mm wrench)	-	14 / 21 (19 mm wrench)	-
81 / 176 / 32	81 / 176 / 32	81 / 200 / 42	81 / 200 / 42	89 / 250 / 52	96 / 250 / 52
88 / 176 / 32	85 / 176 / 32	85 / 200 / 42	76 / 200 (158) / 42	93 / 250 / 52	84 / 250 (172) / 52

GPM.95/BB		GPM.150/BB		GPM.240/BB	
Cat. No.	GP100	Cat. No.	GP400	Cat. No.	GP700
GPM.95/BB/FIX		GPM.150/BB/FIX		GPM.240/BB/FIX	
Cat. No.	GP110	Cat. No.	GP410	Cat. No.	GP710
feed-through	95	feed-through	150	feed-through	240
flexible	-	flexible	-	flexible	-
rigid	-	rigid	-	rigid	-
22 mm maximum width (M8 bolt) (*)	1000 V / 269 A / -	32 mm maximum width (M10 bolt) (*)	1000 V / 353 A / -	40 mm maximum width (M12 bolt) (*)	1000 V / 452 A / -
12 KV / 3	-	12 KV / 3	-	12 KV / 3	-
6 / 9 (13 mm wrench)	-	10 / 15 (17 mm wrench)	-	14 / 21 (19 mm wrench)	-
81 / 176 / 32	81 / 176 / 32	81 / 200 / 42	81 / 200 / 42	89 / 250 / 52	96 / 250 / 52
88 / 176 / 32	85 / 176 / 32	85 / 200 / 42	76 / 200 (158) / 42	93 / 250 / 52	84 / 250 (172) / 52

APPROVALS



ACCESSORIES

Type	Cat. No.
End sections	beige
Permanent cross connection	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	
Mounting rail support	flat for PR/DIN and PR/3 inclined for PR/DIN and PR/3
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
POF/95/2 poles	P0952
POF/95/3 poles	P0953
ACI121213	Z121213
ACI121024	Z121024
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT for PR/DIN only	CD003
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
POF/150/2 poles	P0152
POF/150/3 poles	P0153
ACI121213	Z121213
ACI121024	Z121024
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT for PR/DIN only	CD003
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
POF/240/2 poles	P0242
POF/240/3 poles	P0243
ACI121213	Z121213
ACI121024	Z121024
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT for PR/DIN only	CD003
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

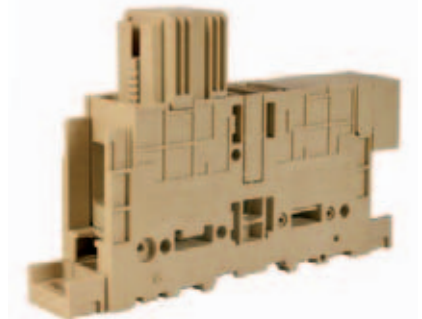
GPM Series high current terminal blocks

with UL94V-0 polyamide
insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- panel-mount version available - M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to perform parallel cross-connections
- available in beige RAL 1001 colour



standard version



panel-mount version

standard version	GPM.95/BC Cat. No. GP200	GPM.150/BC Cat. No. GP500	GPM.240/BC Cat. No. GP800
panel-mount version	GPM.95/BC/FIX Cat. No. GP210	GPM.150/BC/FIX Cat. No. GP510	GPM.240/BC/FIX Cat. No. GP810
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm ²)	95	150	240
connecting capacity			
flexible (mm ²)	35 ÷ 120	50 ÷ 185	95 ÷ 300
rigid (mm ²)	25 ÷ 120	35 ÷ 185	95 ÷ 300
bars and/or cable lugs	22 mm maximum width (M8 bolt)	32 mm maximum width (M10 bolt)	40 mm maximum width (M12 bolt)
rated voltage / rated current / gauge	1000 V / 269 A / B12	1000 V / 353 A / B14	1000 V / 452 A / B16
rated voltage / rated current / AWG	-	-	-
rated impulse withstand voltage / pollution degree	12 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	35	35	43
tightening torque value –bar (test / recommended) (Nm)	6 / 9 (13 mm wrench)	10 / 15 (17 mm wrench)	14 / 21 (19 mm wrench)
tightening torque value –cable (test / recommended) (Nm)	6 / 9 (Allen screw, 6 mm wrench)	10 / 15 (Allen screw, 8 mm wrench)	14 / 21 (Allen screw, 8 mm wrench)
height / width / thickness TH/35 7,5 mm	113 / 158 / 32	134 / 170 / 42	150 / 202 / 52
height / width / thickness TH/35 15 mm	120 / 158 / 32	141 / 170 / 42	157 / 202 / 52
height / width / thickness G32	117 / 158 / 32	138 / 170 / 42	154 / 202 / 52
height / width (fixing distance between centres) / thickness (panel-mount)	108 / 175 (158) / 32	129 / 187 (158) / 42	144 / 219 (172) / 52
APPROVALS			
ACCESSORIES			
End sections	beige	-	-
Permanent cross connection	POF/95/2 poles P0952 POF/95/3 poles P0953	POF/150/2 poles P0152 POF/150/3 poles P0153	POF/240/2 poles P0242 POF/240/3 poles P0243
Switchable cross connection	-	-	-
Multiple common bar	250 mm	-	-
Shunting screw and sleeve	-	-	-
Coloured partition	red, green, white	-	-
Cross connection barrier	red	-	-
Test plug socket	-	-	-
Test plug	-	-	-
Numbering strip	-	-	-
Cover for cross-connection	-	-	-
Mounting rail support	ACI121213 Z121213 ACI121024 Z121024	ACI121213 Z121213 ACI121024 Z121024	ACI121213 Z121213 ACI121024 Z121024
Marking tag	CNU/8/51 NU0851 CSC CS...	CNU/8/51 NU0851 CSC CS...	CNU/8/51 NU0851 CSC CS...
End bracket	BTU for PR/DIN and PR/3 BT005 CDA/BT for PR/DIN only CD003 BT/3-BTO for PR/3 only BT003-BT007	BTU for PR/DIN and PR/3 BT005 CDA/BT for PR/DIN only CD003 BT/3-BTO for PR/3 only BT003-BT007	BTU for PR/DIN and PR/3 BT005 CDA/BT for PR/DIN only CD003 BT/3-BTO for PR/3 only BT003-BT007
Mounting rail according to IEC 60715 Std.	PR/DIN/AC of steel PR001 PR/DIN/AS same with slots PR004 PR/DIN/AL of aluminium PR002 PR/3/AC of steel PR003 PR/3/AS same with slots PR005	PR/DIN/AC of steel PR001 PR/DIN/AS same with slots PR004 PR/DIN/AL of aluminium PR002 PR/3/AC of steel PR003 PR/3/AS same with slots PR005	PR/DIN/AC of steel PR001 PR/DIN/AS same with slots PR004 PR/DIN/AL of aluminium PR002 PR/3/AC of steel PR003 PR/3/AS same with slots PR005

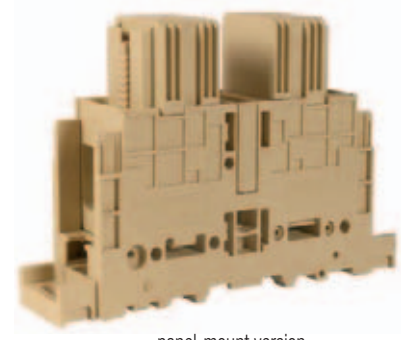
GPM Series high current terminal blocks

with UL94V-0 polyamide
insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- panel-mount version available - M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to perform parallel cross-connections
- available in beige RAL 1001 colour



standard version



panel-mount version

standard version	GPM.95/CC Cat. No. GP300	GPM.150/CC Cat. No. GP600	GPM.240/CC Cat. No. GP900			
panel-mount version	GPM.95/CC/FIX Cat. No. GP310	GPM.150/CC/FIX Cat. No. GP610	GPM.240/CC/FIX Cat. No. GP910			
TECHNICAL CHARACTERISTICS						
function / type	feed-through	feed-through	feed-through			
rated cross-section (mm ²)	95	150	240			
connecting capacity						
flexible (mm ²)	35 ÷ 120	50 ÷ 185	95 ÷ 300			
rigid (mm ²)	25 ÷ 120	35 ÷ 185	95 ÷ 300			
bars and/or cable lugs	22 mm maximum width (M8 bolt)	32 mm maximum width (M10 bolt)	40 mm maximum width (M12 bolt)			
rated voltage / rated current / gauge	1000 V / 269 A / B12	1000 V / 353 A / B14	1000 V / 452 A / B16			
rated voltage / rated current / AWG	-	-	-			
rated impulse withstand voltage / pollution degree	12 KV / 3	12 KV / 3	12 KV / 3			
insulation stripping length (mm)	-	-	-			
tightening torque value –bar (test / recommended) (Nm)	-	-	-			
tightening torque value –cable (test / recommended) (Nm)	6 / 9 (Allen screw, 6 mm wrench)	10 / 15 (Allen screw, 8 mm wrench)	14 / 21 (Allen screw, 8 mm wrench)			
height / width / thickness TH/35 7,5 mm	113 / 140 / 32	134 / 140 / 42	150 / 154 / 52			
height / width / thickness TH/35 15 mm	120 / 140 / 32	141 / 140 / 42	157 / 154 / 52			
height / width / thickness G32	117 / 140 / 32	138 / 140 / 42	154 / 154 / 52			
height / width (fixing distance between centres) / thickness (panel-mount)	108 / 173 (158) / 32	129 / 173 (158) / 42	144 / 187 (172) / 52			
APPROVALS						
ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	-	-	-	-	-	-
Permanent cross connection	POF/95/2 poles	P0952	POF/150/2 poles	P0152	POF/240/2 poles	P0242
	POF/95/3 poles	P0953	POF/150/3 poles	P0153	POF/240/3 poles	P0243
Switchable cross connection	-	-	-	-	-	-
Multiple common bar	-	-	-	-	-	-
Shunting screw and sleeve	-	-	-	-	-	-
Coloured partition	-	-	-	-	-	-
Cross connection barrier	-	-	-	-	-	-
Test plug socket	-	-	-	-	-	-
Test plug	-	-	-	-	-	-
Numbering strip	-	-	-	-	-	-
Cover for cross-connection	-	-	-	-	-	-
Mounting rail support	ACI121213	Z121213	ACI121213	Z121213	ACI121213	Z121213
	ACI121024	Z121024	ACI121024	Z121024	ACI121024	Z121024
Marking tag	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
	CSC	CS...	CSC	CS...	CSC	CS...
End bracket	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	CDA/BT for PR/DIN only	CD003	CDA/BT for PR/DIN only	CD003	CDA/BT for PR/DIN only	CD003
	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003
	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005

ACB Series high current terminal blocks with UL94V-0 polyamide insulating body



- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- available in beige RAL 1001 colour

(*) referred to version equipped with wire clamping collar
(**) tightening with screwdriver / wrench

When using bars or lugs having a width exceeding the indicated value (up to a maximum of 34 mm) the use of SPS separating diaphragms is necessary in order to guarantee the appropriate insulation.

beige version	ACB.70/BB Cat. No. AC100	ACB.120/BB Cat. No. AC400	ACB.185/BB Cat. No. AC700
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm ²)	70	120	185
connecting capacity (*)			
flexible (mm ²)	10 ÷ 120	25 ÷ 185	25 ÷ 185
rigid (mm ²)	6 ÷ 120	25 ÷ 185	25 ÷ 185
bars and/or cable lugs	25 mm maximum width (M6 bolt)	25 mm maximum width (M8 bolt)	25 mm maximum width (M12 bolt)
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 192 A / -	800 V / 269 A / -	800 V / 353 A / -
rated voltage / rated current / AWG UL	-	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	-	-	-
tightening torque value / bar (Nm)	- / 3 (10 mm wrench)	- / 6 (13 mm wrench)	- / 14 (19 mm wrench)
tightening torque value / cable (**) (Nm)	-	-	-
height / width / thickness a G32	45 / 90 / 35	46 / 100 / 35	47 / 120 / 35

APPROVALS

ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
Spare clamping collar (to allow the connection of non pre-assembled cables)	ACB.70/CO	AC104	ACB.120/CO	AC404	ACB.185/CO	AC705
Safety cover	PRT/P	PRT01	PRT/P	PRT01	PRT/P	PRT01
	PRT/G	PRT03	PRT/G	PRT03	PRT/G	PRT03
Cover support	SPS/1	SPS01	SPS/1	SPS01	SPS/3	SPS03
Marking tag printed or blank	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
End bracket	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...
	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	CDA/BT for PR/DIN only	CD003	CDA/BT for PR/DIN only	CD003	CDA/BT for PR/DIN only	CD003
Mounting rail according to IEC 60715 Std.	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002

protection: ACB terminal blocks can be protected against direct and/or accidental contact by means of proper **PRT** type covers of different sizes: small, medium or big in self-extinguishing transparent material. These covers are supplied in standard length of 200 mm (corresponding to the total width of 4 adjoining blocks) and must be inserted on **SPS** supports, also in self-extinguishing material. PRT covers allow the protection of one side of the terminal block; the complete protection of the terminal board is obtained by two covers, which overlap.

PRT/P+SPS/1

- for ACB.70/BB and ACB.120/BB

PRT/M+SPS/5

- for ACB.70 and ACB.120 with clamping collar mounted

PRT/P+SPS/3

- for ACB.185/BB

PRT/M+SPS/7

- for ACB.185 with clamping collar mounted

PRT/G type must be used when the conductors come from the back of the board or, otherwise, when one or more connection points, not used, must be nevertheless protected.





MBL Series stud-type terminal blocks with UL94V-0 polyamide insulating body

- stud connection, for cable lugs
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- available in beige RAL 1001 colour



beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
stud diameter / key / locking bolt wrench	
max lug overlapping connection height	(mm)
torque value	
rated voltage / rated current	sec. IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
maximum connectable width	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
Partition	
Cover support	
Safety cover	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	 

MBL.50/6	Cat. No.	MB100
for cable lugs		
50		
30 ÷ 50		
30 ÷ 70		
M 6 / M 10 / M 19		
15,3		
3		
800 V / 150 A		
600 V / 150 A / -		
8 KV / 3		
30		
-		
-		
79 / 39 / 35		



Type	Cat. No.
DUS/1	DUS01
SPS/5	SPS05
PRT/P	PRT01
CNU/8/51	NU0851
-	
CDA/BT	CD003
-	
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

MBL.95/8	Cat. No.	MB200
for cable lugs		
95		
30 ÷ 95		
30 ÷ 120		
M 8 / M 13 / M 19		
13		
6		
800 V / 232 A		
600 V / 200 A / -		
8 KV / 3		
30		
-		
-		
79 / 39 / 35		



Type	Cat. No.
DUS/1	DUS01
SPS/5	SPS05
PRT/P	PRT01
CNU/8/51	NU0851
-	
CDA/BT	CD003
-	
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

Stud terminal blocks suitable for the connection of bars or cable lugs, 30 mm max. width, to be mounted on PR/DIN type rails. **DUS/1** and **DUS/3** type barriers are provided to ensure the correct insulation distance between the different phases.

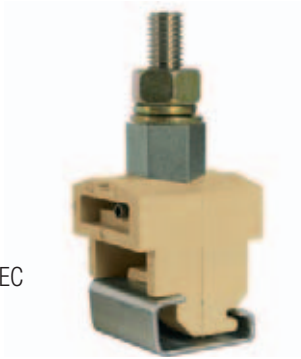
Whenever a safety cover is needed, the insulation function is guaranteed by the **SPS/5** support of the cover itself.






MBL Series stud-type terminal blocks

with UL94V-0 polyamide insulating body


- stud connection, for cable lugs
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- available in beige RAL 1001 colour

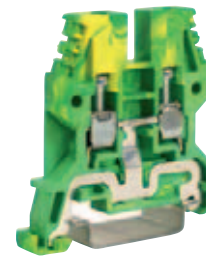
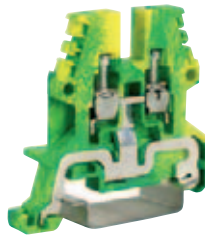


beige version	MBL.120/10 Cat. No. MB300	MBL.150/12 Cat. No. MB400
(Ex)i version		
TECHNICAL CHARACTERISTICS		
function / type	for cable lugs	for cable lugs
rated cross-section (mm ²)	120	150
connecting capacity		
flexible (mm ²)	30 ÷ 120	30 ÷ 150
rigid (mm ²)	30 ÷ 150	30 ÷ 185
stud diameter / key / locking bolt wrench	M 10 / M 13 / M 19	M 12 / M 19 / M 19
max lug overlapping connection height (mm)	13	15,8
torque value	10	14
rated voltage / rated current sec. IEC 60947-7-1	800 V / 269 A	800 V / 309 A
rated voltage / rated current / AWG UL	600 V / 230 A / -	600 V / 285 A / -
rated impulse withstand voltage / pollution degree	8 kV / 3	8 kV / 3
maximum connectable width (mm)	30	30
height / width / thickness TH/35 7,5 mm	-	-
height / width / thickness TH/35 15 mm	-	-
height / width / thickness G32	90 / 39 / 35	90 / 39 / 35
APPROVALS		
ACCESSORIES	Type Cat. No.	Type Cat. No.
Partition	DUS/3 DUS03	DUS/3 DUS03
Cover support	SPS/5 SPS05	SPS/5 SPS05
Safety cover	PRT/P PRT01	PRT/P PRT01
Marking tag printed or blank	CNU/8/51 NU0851	CNU/8/51 NU0851
End bracket	CDA/BT CD003	CDA/BT CD003
Mounting rail according to IEC 60715 Std. 	PR/DIN/AC of steel PR001	PR/DIN/AC of steel PR001
	PR/DIN/AS same with slots PR004	PR/DIN/AS same with slots PR004
	PR/DIN/AL of aluminium PR002	PR/DIN/AL of aluminium PR002
	-	-
	-	-

Earth terminal blocks




with **UL94V-0 polyamide insulating body**

- to be mounted onto PR/DIN type rails according to IEC 60715 Std., TH/35 and "G32" types
- in a single green / yellow insulating case
- **CESI 02 ATEX 061 U** Ex e  certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C
- **CoC IEC Ex CES 09.0009U** Ex e II



Version to be mounted onto PR/3 and PR/DIN rails according to IEC 60715 Std.

(*) with reference to upper and lower clamping units respectively


version to be mounted onto PR/3 rail	TEO.2	CBE.2	TEO.4			
	Cat. No. T0910	Cat. No. CE110	Cat. No. T0430			
version to be mounted onto PR/DIN rail						
TECHNICAL CHARACTERISTICS						
function / type	earth	earth (2 inputs / 2 outputs)	earth			
rated cross-section (mm ²)	2,5	2,5	4			
connecting capacity						
flexible (mm ²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 6			
rigid (mm ²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 6			
max. flexible with ferrule (mm ²)-ferrule type	2,5 - WP25/14	2,5 - WP25/14	4 - WP40/16			
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A3	- / - / A3	- / - / A4			
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	- / - / 20-14 AWG / 5,5 lb.in.	- / 15 A / 20 ÷ 14 AWG / 5,5 lb.in.	- / - / 20 ÷ 12 AWG / 5,5 lb.in.			
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3			
insulation stripping length (mm)	12	8 - 14,5 (*)	14			
tightening torque value (test / max) (Nm)	0,4 / 0,8	0,4 / 0,8	0,5 / 1,2			
height / width / thickness TH/35 7,5 mm	47 / 50 / 5,5	52 / 50 / 5	52 / 50 / 6,5			
height / width / thickness TH/35 15 mm	55 / 50 / 5,5	60 / 50 / 5	60 / 50 / 6,5			
height / width / thickness G32	-	56 / 50 / 5	-			
APPROVALS						
ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections green	TEO.2/PT	T0911	CBR/PT	CR111	TEO.4/PT	T0431
Marking tag printed or blank	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
	CSC	CS...	CSC	CS...	CSC	CS...
Numbering strip	-	NU0851	CNU/8/51	NU0851	-	
End bracket	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001		
	PR/DIN/AC of steel	PR001	PR/DIN/AS same with slots	PR004		
	PR/DIN/AL of aluminium	PR002	PR/3/AC of steel	PR003		
	PR/3/AC of steel	PR003	PR/3/AS same with slots	PR005	PR/3/AC of steel	PR003
	PR/3/AS same with slots	PR005			PR/3/AS same with slots	PR005

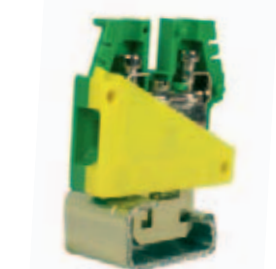
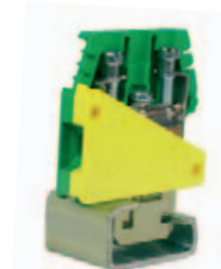
MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE				
Rail profile	Material	Equivalent E-cu cross-section mm ²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	8,4	192
"Top hat" rail IEC 60715/TH 35 - 7,5	Steel	16	1,92	-
	Copper	50	6	150
	Aluminium	35	4,2	125
"Top hat" rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11,4	232

Taken from CEI EN 60947-7-2 standard

Earth terminal blocks






with UL94V-0 polyamide insulating body

- to be mounted onto PR/3 type rails according to IEC 60715 Std., TH/35 type
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- in 2 green / yellow insulating cases
- **CESI 02 ATEX 061 U** Ex e  certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C
- **CoC IEC Ex CES 09.0009U** Ex e II



version to be mounted onto PR/3 rail

version to be mounted onto PR/DIN rail


TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage  /  (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	 TH/35 7,5 mm
height / width / thickness	 TH/35 15 mm
height / width / thickness	 G32

TED.4	Cat. No.	TE400
earth		
4		
0,2 ÷ 6		
0,2 ÷ 6		
4 - WP40/16		
- / - / A4		
- / - / 20-12 AWG / 5,5 lb.in.		
-		
8 KV / 3		
10		
0,5 / 1,2		
-		
56 / 50 / 6,5		

TE.6/0	Cat. No.	T0110
earth		
6		
0,5 ÷ 10		
0,5 ÷ 10		
6 - WP60/20		
- / - / A5		
- / - / 20-8 AWG / 13,3 lb.in		
-		
8 KV / 3		
12		
0,8 / 1,4		
52 / 47 / 8		
60 / 47 / 8		
53 / 42 / 8		

TE.10/0	Cat. No.	T0500
earth		
10		
0,5 ÷ 16		
0,5 ÷ 16		
10 - WP100/21		
- / - / B6		
- / - / 20-8 AWG Str. / 13,3 lb.in		
-		
8 KV / 3		
13		
1,2 / 1,9		
55 / 47 / 10		
63 / 47 / 10		
56 / 44 / 10		

APPROVALS

ACCESSORIES	
End sections	verde
Marking tag	printed or blank
Numbering strip	
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
TE0.4/PT	T0431
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002

Type	Cat. No.
-	-
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	-
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005


MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

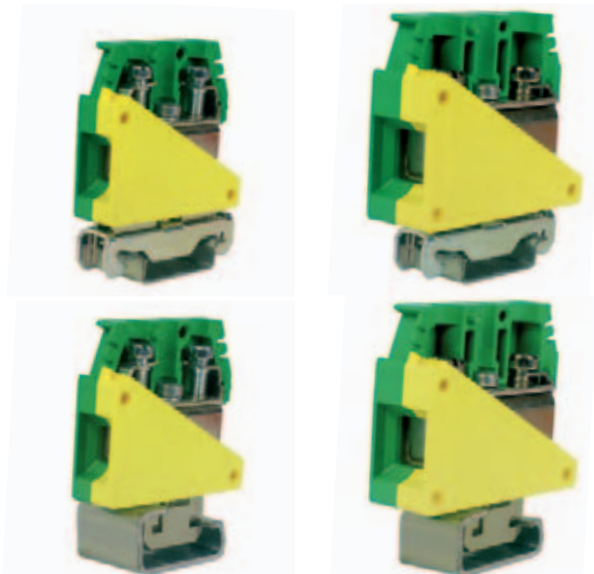
Rail profile	Material	Equivalent E-cu cross-section mm ²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	8,4	192
"Top hat" rail IEC 60715/TH 35 - 7,5	Steel	16	1,92	-
	Copper	50	6	150
	Aluminium	35	4,2	125
"Top hat" rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11,4	232

Taken from
CEI EN 60947-7-2
standard

Earth terminal blocks

with UL94V-0 polyamide insulating body

- to be mounted onto PR/3 type rails according to IEC 60715 Std., TH/35 type
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- in 2 green / yellow insulating cases
- **CESI 02 ATEX 061 U** Ex e  certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C
- **CoC IEC Ex CES 09.0009U** Ex e II





Without green / yellow insulating case





version to be mounted onto PR/3 rail

version to be mounted onto PR/DIN rail

TECHNICAL CHARACTERISTICS	
function / type	earth
rated cross-section	(mm ²) 16
connecting capacity	
flexible	(mm ²) 0,5 ÷ 25
rigid	(mm ²) 0,5 ÷ 25
max. flexible with ferrule (mm ²)-ferrule type	16 - WP160/22
rated voltage / rated current / gauge	conf. to IEC 60947-7-1 - / 76 A / B7
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage  /  (V) - / - / 20-3 AWG / 13,3 lb.in
rated impulse withstand voltage / pollution degree	8 kV / 3
insulation stripping length	(mm) 13
tightening torque value (test / max)	(Nm) 1,8 / 3
height / width / thickness	TH/35 7,5 mm 56 / 47 / 12
height / width / thickness	TH/35 15 mm 64 / 47 / 12
height / width / thickness	G32 57,5 / 46,5 / 12



TE.16/O Cat. No. **T0210**

TE.16/D Cat. No. **TE210**



earth	16
connecting capacity	
flexible	(mm ²) 0,5 ÷ 25
rigid	(mm ²) 0,5 ÷ 25
max. flexible with ferrule (mm ²)-ferrule type	16 - WP160/22
rated voltage / rated current / gauge	conf. to IEC 60947-7-1 - / 76 A / B7
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage  /  (V) - / - / 20-3 AWG / 13,3 lb.in
rated impulse withstand voltage / pollution degree	8 kV / 3
insulation stripping length	(mm) 13
tightening torque value (test / max)	(Nm) 1,8 / 3
height / width / thickness	TH/35 7,5 mm 56 / 47 / 12
height / width / thickness	TH/35 15 mm 64 / 47 / 12
height / width / thickness	G32 57,5 / 46,5 / 12

TE.50/O Cat. No. **T0310**

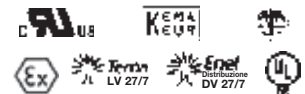
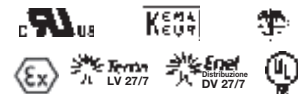
TE.50/D Cat. No. **TE310**

earth	50
connecting capacity	
flexible	(mm ²) 1,5 ÷ 50
rigid	(mm ²) 1 ÷ 70
max. flexible with ferrule (mm ²)-ferrule type	50 - WP500/40
rated voltage / rated current / gauge	conf. to IEC 60947-7-1 - / 125 A / B9
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage  /  (V) - / - / 16-1 AWG / 33,2 lb.in
rated impulse withstand voltage / pollution degree	8 kV / 3
insulation stripping length	(mm) 17
tightening torque value (test / max)	(Nm) 2,5 / 5
height / width / thickness	TH/35 7,5 mm 62 / 57 / 18
height / width / thickness	TH/35 15 mm 70 / 57 / 18
height / width / thickness	G32 63 / 57 / 18


TTN.35 Cat. No. **TT300**

earth	35
connecting capacity	
flexible	(mm ²) 1,5 ÷ 50
rigid	(mm ²) 1 ÷ 70
max. flexible with ferrule (mm ²)-ferrule type	35 - WP350/30
rated voltage / rated current / gauge	conf. to IEC 60947-7-1 - / 125 A / B9
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage  /  (V) - / - / -
rated impulse withstand voltage / pollution degree	8 kV / 3
insulation stripping length	(mm) 15
tightening torque value (test / max)	(Nm) 2,5 / 5
height / width / thickness	TH/35 7,5 mm -
height / width / thickness	TH/35 15 mm -
height / width / thickness	G32 60 + D / 58 / 11

APPROVALS



ACCESSORIES

End sections	verde
Marking tag	printed or blank
Numbering strip	-
End bracket	-
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002

Type	Cat. No.
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

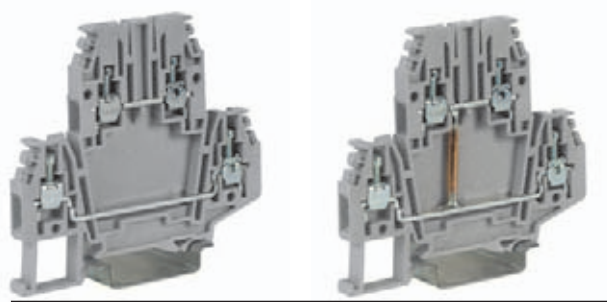
Rail profile	Material	Equivalent E-cu cross-section mm ²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	8,4	192
"Top hat" rail IEC 60715/TH 35 - 7,5	Steel	16	1,92	-
	Copper	50	6	150
	Aluminium	35	4,2	125
"Top hat" rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11,4	232

Taken from
CEI EN 60947-7-2
standard

On two levels

with UL94V-0 polyamide insulating body

- feed-through
- feed-through, equipped with internal cross-connection
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions
- to be mounted onto PR/3 according to IEC 60715 Std., “TH/35” type



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
630	500	250 V (*) 630 V (**)	500	500	

(*) between lower levels (with partition)
 (**) between upper levels (with partition)
 (***) value referred to the characteristics of the terminal block alone, within the temperature range according to IEC 60947-7-1 Std.

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
max current (***)	
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm

DBC.2/GR	Cat. No. DB100GR
DBC.2	Cat. No. DB100
DBC.2 (Ex)i	Cat. No. DB200
2 level feed-through	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
630 V / 24 A / A3	
600 V / 20 A / 28-12 AWG / 8 lb.in	
27 A (2,5 mm ²) / 34 A (4 mm ²)	
-	
8 KV / 3	
9	
0,4 / 0,8	
66 / 70 / 5	
74 / 70 / 5	

DBC.2/CI/GR	Cat. No. DB117GR
DBC.2/CI	Cat. No. DB117
2 level feed-through with internal cross-connection	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
630 V / 24 A / A3	
600 V / 20 A / 28-12 AWG / 8 lb.in	
27 A (2,5 mm ²) / 34 A (4 mm ²)	
-	
8 KV / 3	
9	
0,4 / 0,8	
66 / 70 / 5	
74 / 70 / 5	



ATEX Ex e and IEC Ex pending



APPROVALS

ACCESSORIES


End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier (upper level)	red
Cross connection barrier (lower level)	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

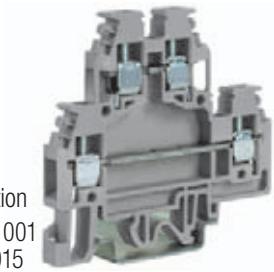
Type	Cat. No.
DBC/PT/GR	DB101GR
DBC/PT	DB101
DBC/PT (Ex)i	DB201
PTC/2/02 poles	PTC0202
PTC/2/03 poles	PTC0203
PTC/2/05 poles	PTC0205
PTC/2/10 poles	PTC0210
PTC/2/00 (50 poles)	PTC0200
24	
PTC/SP	PTC0990
-	
DFU/7	DU07..
DFM/800 - DFM/900	DF800-900
DFM/500	DF500
-	
CNU/8/51	NU0851
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
-	
PR/3/AC for PR/DIN and PR/3	PRO03
PR/3/AS same with slots	PRO05

Type	Cat. No.
DBC/PT/GR	DB101GR
DBC/PT	DB101
DBC/PT (Ex)i	DB201
PTC/2/02 poles	PTC0202
PTC/2/03 poles	PTC0203
PTC/2/05 poles	PTC0205
PTC/2/10 poles	PTC0210
PTC/2/00 (50 poles)	PTC0200
24	
PTC/SP	PTC0990
-	
DFU/7	DU07..
DFM/800 - DFM/900	DF800-900
DFM/500	DF500
-	
CNU/8/51	NU0851
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
-	
PR/3/AC for PR/DIN and PR/3	PRO03
PR/3/AS same with slots	PRO05

On two levels






with UL94V-0 polyamide insulating body

- feed-through
- feed-through, equipped with internal cross-connection
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- universal mounting onto IEC 60715 rails
- DAS.4 terminal block **CESI 03 ATEX 162 U Ex e**  certificate I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C



- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the indications given on page A14

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage  /  (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	 TH/35 7,5 mm
height / width / thickness	 TH/35 15 mm
height / width / thickness	 G32

DAS.4/GR	Cat. No. DS100GR
DAS.4	Cat. No. DS100
DAS.4 (Ex)i	Cat. No. DS200
TECHNICAL CHARACTERISTICS	
2 level feed-through	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
630 V / 32 A / A4	
600 V / 20 A / 20-12 AWG / 8,9 lb.in	
400 / 400	
8 KV / 3	
9	
0,5 / 1,2	
62 / 64 / 6	
70 / 64 / 6	
66 / 64 / 6	


DAS.4/CI/GR	Cat. No. DS117GR
DAS.4/CI	Cat. No. DS117
DAS.4/CI (Ex)i	Cat. No. DS217
TECHNICAL CHARACTERISTICS	
feed-through equipped with internal cross-connection	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
630 V / 32 A / A4	
-	
8 KV / 3	
9	
0,5 / 1,2	
62 / 64 / 6	
70 / 64 / 6	
66 / 64 / 6	

APPROVALS



Approvals referred to terminal block type DAS.4

ACCESSORIES

End sections	grey beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Shunting screw and sleeve	
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

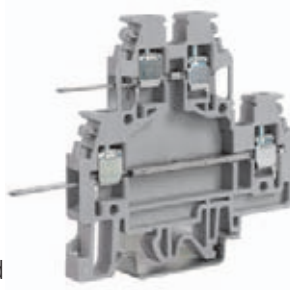
Type	Cat. No.
DAS/PT/GR	DS101GR
DAS/PT	DS101
DAS/PT (Ex)i	DS201
PM/41/2 poles	PM412
PM/51/3 poles	PM513
PM/51/5 poles	PM515
PM/51/10 poles	PM510
32	
-	
POS/43	POS43
PMP/58	PMP58
CPM/01 (CPX/01)	CPM01 (CPX01)
DFU/7	DU07..
-	
PSD/A	PD001
SDD/1	DD001
-	
-	
CNU/8/61	NU0861
DAS/VCI	DS107
DAS/VCE	DS108
PRP/5	PRP05
CNU/8/61	NU0861
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
DAS/PT/GR	DS101GR
DAS/PT	DS101
DAS/PT (Ex)i	DS201
PM/41/2 poles	PM412
PM/51/3 poles	PM513
PM/51/5 poles	PM515
PM/51/10 poles	PM510
32	
-	
POS/43	POS43
PMP/58	PMP58
CPM/01 (CPX/01)	CPM01 (CPX01)
DFU/7	DU07..
-	
PSD/A	PD001
SDD/1	DD001
-	
-	
CNU/8/61	NU0861
-	
DAS/VCE	DS108
PRP/5	PRP05
CNU/8/61	NU0861
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

On two levels

with UL94V-0 polyamide insulating body

- feed-through with solder lugs
- with upper disconnect lever
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



with 2.8 x 0.8 mm solder lugs



Please, see page 136 (table) to determine the insulation voltage of the different PTC connection diagrams

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	feed-through with solder lugs
rated cross-section (mm ²)	4
connecting capacity	
flexible (mm ²)	0,2 ÷ 6
rigid (mm ²)	0,2 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	320 V - 500 V (*) / 20 A (**) / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage / (V)	-
rated impulse withstand voltage / pollution degree	4 kV / 3
insulation stripping length (mm)	9
tightening torque value (test / max) (Nm)	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	62 / 80 / 6
height / width / thickness TH/35 15 mm	70 / 80 / 6
height / width / thickness G32	66 / 80 / 6

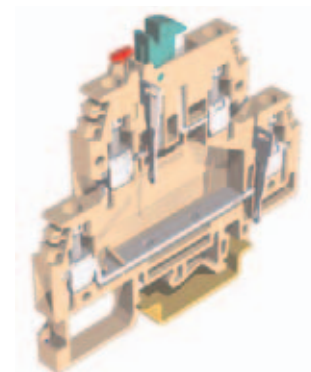
(*) value referred to the staggered position of solder lugs

(**) max. on lug

(***) referring respectively to upper and lower levels

DAS.4/SS/GR Cat. No. DS110GR
DAS.4/SS Cat. No. DS110

DSS.4/GR Cat. No. DS400GR
DSS.4 Cat. No. DS400



terminal block type DSS.4 with lever up and PTC/4 cross connections inserted on both levels.

APPROVALS

Approvals referred to terminal block type DAS.4



ACCESSORIES

End sections	grey beige blue
Permanent cross connection (* intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper (A)	
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Fuse	
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
DAS/PT/GR	DS101GR
DAS/PT	DS101
PM/41/2 poles	PM412
PM/51/3 poles	PM513
PM/51/5 poles	PM515
PM/51/10 poles	PM510
32	
-	
POS/43	POS43
PMP/58	PMP58
CPM/01 (CPX/01)	CPM01 (CPX01)
DFU/7	DU07..
-	
PSD/A	PD001
SDD/1	DD001
-	
-	
CNU/8/61	NU0861
-	
PRP/5	PRP05
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3 for PR/3 only	BT003
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
DSS/PT/GR	DS301GR
DSS/PT	DS301
PTC/4/02 poles (*)	PTC0402
PTC/4/03 poles (*)	PTC0403
PTC/4/05 poles (*)	PTC0405
PTC/4/10 poles (*)	PTC0410
PTC/4/00 (42 poles) (*)	PTC0400
32	
PTC/SP	PTC0990
-	
-	
-	
DFU/7	DU07..
DFM/500	DF500
-	
-	
-	
CNU/8/61	NU0861
-	
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

On two levels

with UL94V-0 polyamide insulating body

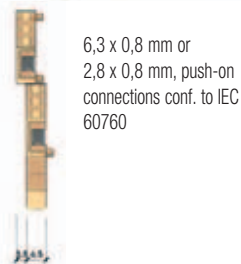
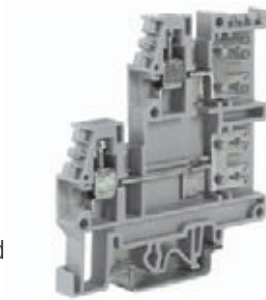
- with push-on tab connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours

The **/GR** tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Shunting screw and sleeve	
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	



6,3 x 0,8 mm or
2,8 x 0,8 mm, push-on
connections conf. to IEC
60760



FVS/VCI - Cat. No. FV107
Shunting screws and sleeves for internal connection between the front and rear conducting bodies of terminal block type FVS.4



FVS/VCE - Cat. No. FV108
Screw and sleeve that, in addition to internal connection, allows to perform with the addition of PMP bar, adjoining cross-connections

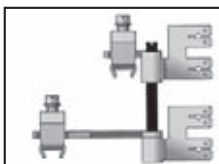
FVS.4/GR	Cat. No. FV100GR
FVS.4	Cat. No. FV100
(Ex)i version	
TECHNICAL CHARACTERISTICS	
for overlapped circuits	4
connecting capacity	
flexible	0,2 ÷ 6
rigid	0,2 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	4 - WP40/16
rated voltage / rated current / gauge	320 V / 20 A / A4
rated voltage / rated current / AWG / tightening torque value	600 V / 20 A / 20-10 AWG / 8,9 lb.in.
rated impulse withstand voltage / pollution degree	6 kV / 3
insulation stripping length	12
tightening torque value (test / max)	0,8 / 1,2
height / width / thickness	69 / 64 / 6,5
height / width / thickness	77 / 64 / 6,5
height / width / thickness	73 / 64 / 6,5

FFS.4/GR	Cat. No. FF100GR
FFS.4	Cat. No. FF100
(Ex)i version	
TECHNICAL CHARACTERISTICS	
for overlapped circuits in staggered position	4
connecting capacity	
flexible	0,2 ÷ 6
rigid	0,2 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	4 - WP40/16
rated voltage / rated current / gauge	320 V / 20 A / A4
rated voltage / rated current / AWG / tightening torque value	600 V / 20 A / 20-10 AWG / 8,9 lb.in.
rated impulse withstand voltage / pollution degree	6 kV / 3
insulation stripping length	12
tightening torque value (test / max)	0,8 / 1,2
height / width / thickness	69 / 64 / 6,5
height / width / thickness	77 / 64 / 6,5
height / width / thickness	73 / 64 / 6,5

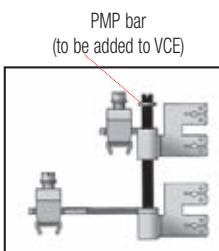


Type	Cat. No.
FVS/PT/GR	FV101GR
FVS/PT	FV101
(Ex)i version	
TECHNICAL CHARACTERISTICS	
32	
POS/72	POS72
PMP/42	PMP42
CPM/01 (CPX/01)	CPM01 (CPX01)
DFU/6	DU06..
PSD/A	PD001
SDD/1	DD001
-	-
-	-
-	-
FVS/VCI	FV107
FVS/VCE	FV108
PRP/6	PRP06
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

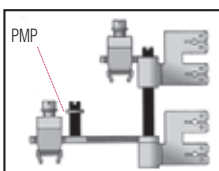
Type	Cat. No.
FFS/PT/GR	FF101GR
FFS/PT	FF101
(Ex)i version	
TECHNICAL CHARACTERISTICS	
32	
POS/72	POS72
PMP/42	PMP42
CPM/01 (CPX/01)	CPM01 (CPX01)
-	-
PSD/A	PD001
SDD/1	DD001
-	-
-	-
-	-
PRP/6	PRP06
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005



VCI
internal cross connection



VCE
internal
+
front adjoining cross-connection

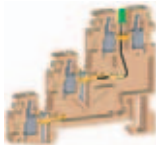
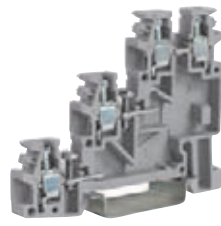


VCI + PM
parallelo interno
+
contiguo posteriore

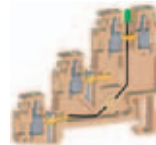
On two levels

with UL94V-0 polyamide insulating body

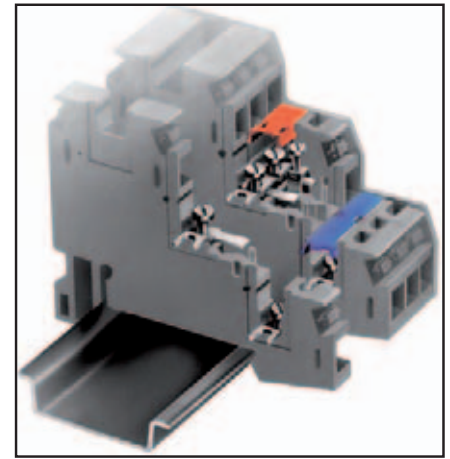
- three level - for sensors
- with LOCK system
- suited for LED indication
- to be mounted onto PR/3 type rails - according to IEC 60715 Std., "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



TLS.2/T



TLS.2/U



LOCK system

TLS.2/T Cat. No. TL120 (with green LED between upper and intermediate levels)

TLS.2/U Cat. No. TL110 (with green LED between upper and lower levels)

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

TLS.2/GR	Cat. No. TL100GR
TLS.2	Cat. No. TL100
three level - for sensors	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
250 V / 24 A / A3	
600 V / 15 A / 20-12 AWG / 3,5 lb.in	
-	
4 kV / 3	
8	
0,4 / 0,8	
52 / 62,5 / 6,2	
60 / 62,5 / 6,2	
-	



For the installation on limited longitudinal space where high density wiring is needed together with reliable insulation, special feed-through two/three level terminal blocks are available. The three level terminal blocks are suitable for circuits which are to be used and connected with specific equipment, as for example proximity sensors. In fact with the combined use of TLS.2 and TLD.2 terminal block, both the feeding and the signal carrying conductors of the proximity sensors can be economically and efficiently connected.

Particularly in the **TLS.2** terminal block, the intermediate and lower levels can be used to feed the sensors in d.c.; the feeding is distributed on the adjoining elements of the terminal board by means of a special **LOCK** connection system.

The above mentioned conducting bodies have a fork, pointed towards the exterior of the terminal block, which connects to the homologous element of the adjoining terminal block. The tightening of the resulting electrical contact is by means of a screw, already inserted in the threaded hole of the conducting bodies.

The LOCK system, above described, allows the connection of positive and negative poles, without the use of any other parallel cross connection. The conductors carrying the return signal from the sensor is connected to the upper feed-through level; the insertion, in the appropriate grooving of **PRP/5** coloured covers avoids any possible contact with the live parts, and allows an immediate identification of the polarity (Red for +, Blue for -).

TLD.2 terminal block is perfectly compatible with the **TLS.2** for the connection of proximity sensors, as it has the same electrical and mechanical characteristics. Two of six tightening units can be connected to the sensor feeding cables and distribute the power supply to the other sensors.

The cross-connection between the intermediate and lower levels of these terminal blocks to the contiguous ones of the TLS.2 can be performed by means of the two screws provided in the fork type conducting bodies of the TLS.2 – the first of the series – free from whatever connection; between the TLD.2 and TLS.2 terminal blocks a TLD/PI intermediate end section must be interposed, to ensure electric insulation of the TLD.2 terminal block conducting parts, which otherwise would be uncovered.

TLD.2 terminal block can also be used for other connecting applications, in other types of circuits.

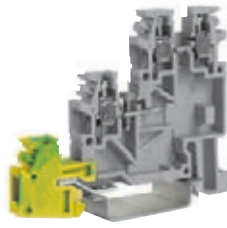
ACCESSORIES	
End sections	grey beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

Type	Cat. No.
TLS/PT/GR	TL101GR
TLS/PT	TL101
PM/20/2 poles	PM202
PM/30/3 poles	PM303
PM/30/5 poles	PM305
PM/30/10 poles	PM310
24	
POS/41	POS41
PMP/02	PMP02
CPM/21	CPM21
DFU/3	DU03..
DFM/400	DF400
PSD/D	PD004
SDD/1	DD001
-	
-	
-	
-	
PRP/5	PRP05
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
PR/3/AC for PR/DIN and PR/3	PRO03
PR/3/AS same with slots	PRO05

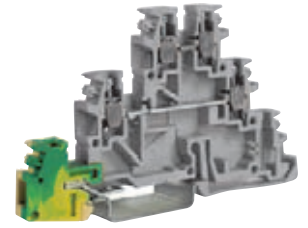
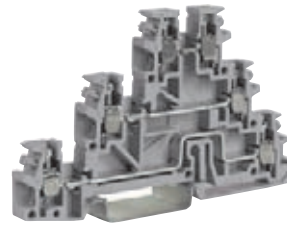
On two levels

with UL94V-0 polyamide insulating body

- 3 feed-through levels
- 3 levels + earth connection
- to be mounted onto TH 35-7,5 and TH 35-15 type rails - according to IEC 60715 Std.
- available in grey RAL 7042 and beige RAL 1001 colours



with earth connection on lower level



with earth connection on lower level and feed-through on intermediate and upper levels

The **/GR** tag indicates the grey colour version.

(*): 24 A factory wiring only

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage / (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

TLE.2/GR	Cat. No. TL400GR
TLE.2	Cat. No. TL400
TECHNICAL CHARACTERISTICS	
2 levels + earth for actuators	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
250 V / 24 A / A3	
600 V / 20 A (*) / 20 ÷ 12 AWG / 3,5 lb.in	
-	
4 KV / 3	
8	
0,4 / 0,8	
52 / 62,5 / 6,2	
60 / 62,5 / 6,2	
-	

TLD.2/GR	Cat. No. TL200GR
TLD.2	Cat. No. TL200
TLD.2 (Ex)i	Cat. No. TL300
TECHNICAL CHARACTERISTICS	
3 feed-through levels	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
250 V / 24 A / A3	
600 V / 15 A / 20-12 AWG / 3,5 lb.in	
-	
4 KV / 3	
8	
0,4 / 0,8	
52 / 85 / 6,2	
60 / 85 / 6,2	
-	

TDE.2/GR	Cat. No. TL500GR
TDE.2	Cat. No. TL500
TECHNICAL CHARACTERISTICS	
2 feed-through levels + earth	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
250 V / 24 A / A3	
600 V / 20 A (*) / 20 ÷ 12 AWG / 3,5 lb.in	
-	
4 KV / 3	
8	
0,4 / 0,8	
52 / 85 / 6,2	
60 / 85 / 6,2	
-	

APPROVALS



ACCESSORIES	
End sections	grey beige intermedio
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

Type	Cat. No.
TLS/PT/GR	TL101GR
TLS/PT	TL101
PM/20/2 poles	PM202
PM/30/3 poles	PM303
PM/30/5 poles	PM305
PM/30/10 poles	PM310
24	
POS/41	POS41
PMP/02	PMP02
CPM/21	CPM21
DFU/3	DU03..
DFM/400	DF400
PSD/D	PD004
SDD/1	DD001
-	
-	
-	
-	
PRP/5	PRP05
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
TLD/PT/GR	TL201GR
TLD/PT	TL201
TLD/PI	TL202
PM/20/2 poles	PM202
PM/30/3 poles	PM303
PM/30/5 poles	PM305
PM/30/10 poles	PM310
24	
POS/41	POS41
PMP/02	PMP02
CPM/21	CPM21
DFU/3	DU03..
DFM/400	DF400
PSD/D	PD004
SDD/1	DD001
-	
-	
CNU/8/51	NU0851
-	
PRP/5	PRP05
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

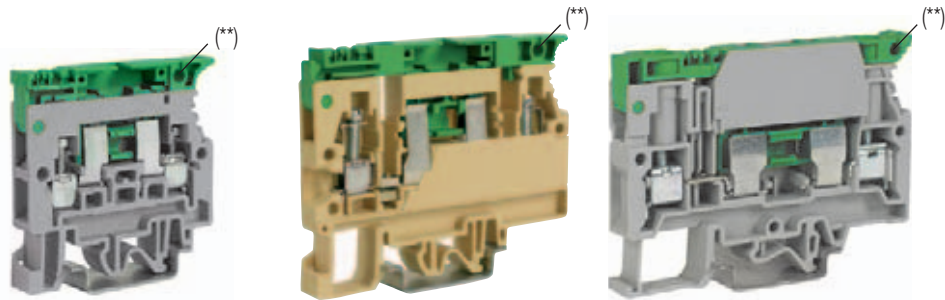
Type	Cat. No.
TLD/PT/GR	TL201GR
TLD/PT	TL201
PM/20/2 poles	PM202
PM/30/3 poles	PM303
PM/30/5 poles	PM305
PM/30/10 poles	PM310
24	
POS/41	POS41
PMP/02	PMP02
CPM/21	CPM21
DFU/3	DU03..
DFM/400	DF400
PSD/D	PD004
SDD/1	DD001
-	
-	
CNU/8/51	NU0851
-	
PRP/5	PRP05
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Fuse-holders

with UL94V-0 polyamide insulating body

- for $\varnothing 5 \times 20$ mm fuses, with possibility to detect the fuse blow-out status, by means of a LED micro-circuit (CIL...)
- available in (grey RAL 7042 and beige RAL 1001 colours)
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types

Please, see page 136 (table) to determine the insulation voltage of the different PTC connection diagrams



with possibility to perform cross connections both upstream and downstream the disconnection point

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled) (**) intrinsically IPXB protected once mounted	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Miniature fuse	$\varnothing 5 \times 20$ mm
LED circuit composed by:	non-polarised
- 2 contacts	
- 1 microcircuit or bulb	
- 1 transparent cover - to be inserted in such a sequence	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Max. dissipated power – In conf. with IEC 60947-7-3						
Terminal block	Voltage [V] (*)	Current [A]	Protection against overload and short circuit		Only protection against short circuit	
			Single configuration (PV) - [W]	Composite configuration (PV) - [W]	Single configuration (PV) - [W]	Composite configuration (PV) - [W]
SFR.4	250	6,3	2,5	1,6	2,5	2,5
SFO.4	250	6,3	2,5	1,6	4	2,5
SFR.6/M	250	6,3 / 10 Max.	2,5 (6,3 A)	1,6 (6,3 A)	4 (10 A)	2,5 (6,3 A)

(*) value referred to the insulation characteristics of the terminal block – (**) all terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks

SFR.4/GR Cat. No. SF900GR	SFO.4/GR Cat. No. SF400GR	SFR.6/M/GR Cat. No. SR500GR
SFR.4 Cat. No. SF900	SFO.4 Cat. No. SF400	SFR.6/M Cat. No. SR500
for $\varnothing 5 \times 20$ mm fuses 4	for $\varnothing 5 \times 20$ mm fuses 4	for $\varnothing 5 \times 20$ mm fuses 6
0,2 ÷ 6 0,2 ÷ 6 4 - WP40/16 800 V (*) / 6,3 A max (20 A with CO/5) / A4 600 V / 6,3 A / 20-12 AWG / 4,4 lb.in.	0,2 ÷ 6 0,2 ÷ 6 4 - WP40/16 800 V (*) / 6,3 A max (16 A with CO/5) / A4 600 V / 6,3 A / 20-12 AWG / 7 lb.in.	0,2 ÷ 10 0,2 ÷ 10 6 - WP60/20 630 V (*) / 10 A max. (19 A with CO/5) / A5 600 V / 6,3 A / 20-8 AWG / 13 lb.in.
6 KV / 3 11 0,5 / 1,2 52 / 52 / 8 60 / 52 / 8 56 / 52 / 8	6 KV / 3 11 0,5 / 1,2 59 / 73 / 8 67 / 73 / 8 62 / 73 / 8	6 KV / 3 11 0,8 / 1,4 59 / 79 / 10 67 / 79 / 10 63 / 79 / 10



Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
SFR.4/PT/GR	SF701GR	-	-	SFR.6/PT/GR	SR301GR
SFR.4/PT	SF701	SFO/PT	SF401	SFR.6/PT	SR301
SFR.4/PT (Ex)i	SF801	SFO/PT (Ex)i	SF601	SFR.6/PT (Ex)i	SR401
-	-	PM/90/2 poles	PM902	PTC/20/02 poles (***)	PTC2002
-	-	PM/90/3 poles	PM903	PTC/20/03 poles (***)	PTC2003
-	-	PM/90/5 poles	PM905	PTC/20/05 poles (***)	PTC2005
-	-	PM/90/10 poles	PM900	PTC/20/10 poles (***)	PTC2010
-	-	24	-	PTC/20/00 (25 poles) (***)	PTC2000
-	-	PMP/20	PMP20	25	-
-	-	CPM/20	CPM20	PTC/SP	PTC0990
DFU/3	DU03..	DFU/7	DU07..	DFU/7	DU07..
-	-	-	-	DFM/300	DF300
-	-	PSD/J	PD014	-	-
CNU/8/51	NU0851	SDD/1	DD001	SDD/1	DD001
F5	FN...	CNU/8/51	NU0851	CNU/8/51	NU0851
CIL/12	SF512	F5	FN...	F5	FN...
CIL/24	SF524	CIL/12	SF512	KITLSN/12-24	KIT1224
CIL/48	SF548	CIL/24	SF524	KITLSN/70-380	KIT70380
CIL/115	SF515	CIL/48	SF548	-	-
CIL/230	SF523	CIL/115	SF515	-	-
CNU/8/51	NU0851	CIL/230	SF523	-	-
BTU for PR/DIN and PR/3	BT005	CNU/8/51	NU0851	CNU/8/51	NU0851
BT/DIN/PO for PR/DIN only	BT001	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AS same with slots	PR004	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
PR/DIN/AL of aluminium	PR002	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
PR/3/AC for PR/DIN and PR/3	PR003	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
PR/3/AS same with slots	PR005	PR/3/AC for PR/DIN and PR/3	PR003	PR/3/AC for PR/DIN and PR/3	PR003
-	-	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005

Fuse-holders

with UL94V-0 polyamide insulating body

- for \varnothing 5 x 20 mm fuses, with possibility to detect the fuse blow-out status, by means of a LED micro-circuit (CIL...)
- standard versions available in grey RAL 7042 and beige RAL 1001 colours (where indicated)
- for \varnothing 6.3 x 32 mm fuses
- with solder lug
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types

Please, see page 136 (table) to determine the insulation voltage of the different PTC connection diagrams

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section (mm ²)	6
connecting capacity	
flexible (mm ²)	0,2 ÷ 10
rigid (mm ²)	0,2 ÷ 10
max. flexible with ferrule (mm ²)-ferrule type	6 - WP60/20
rated voltage / rated current / gauge conf. to IEC 60947-7-1	630 V (*) / 10 A (33 A with brass cylinder) / A5
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage / (V)	600 V / 10 A / 20-8 AWG / 13 lb.in
rated impulse withstand voltage / pollution degree	6 kV (*) / 3
insulation stripping length (mm)	11
tightening torque value (test / max) (Nm)	0,8 / 1,4
height / width / thickness TH/35 7,5 mm	59 / 79 / 10
height / width / thickness TH/35 15 mm	67 / 79 / 10
height / width / thickness G32	63 / 79 / 10

APPROVALS

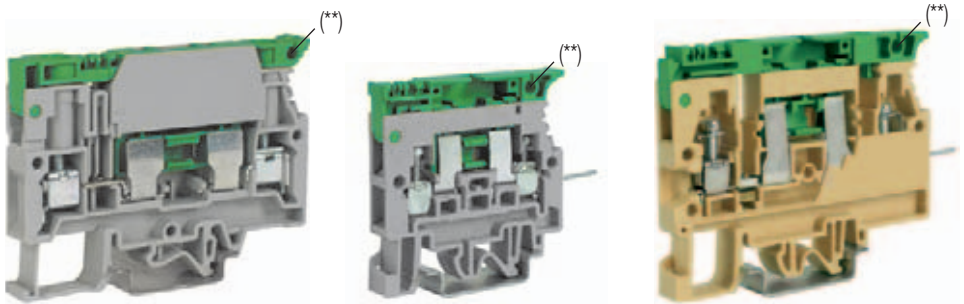


other approvals referred to the standard version

other approvals referred to the standard version

ACCESSORIES

End sections	grey beige blue
Permanent cross connection (pre-assembled) (***) intrinsically IPXXB protected once mounted	
Rated current carrying capacity of jumper (A)	
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Miniature fuse	\varnothing 5 x 20 mm
LED circuit composed by:	non-polarised
- 2 contacts	
- 1 microcircuit or bulb	
- 1 transparent cover - to be inserted in such a sequence	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	



The terminal block is equipped with a lever suited to house a \varnothing 6.3 x 32 mm - 500 V fuse (not supplied)

4 x 0,8 mm solder lug

4 x 0,8 mm solder lug

Max. dissipated power – In conf. with IEC 60947-7-3						
Terminal block	Voltage [V] (*)	Current [A]	Protection against overload and short circuit		Only protection against short circuit	
			Single configuration (PV) - [W]	Composite configuration (PV) - [W]	Single configuration (PV) - [W]	Composite configuration (PV) - [W]
SFR.6	250	10	2,5 (2,5 A)	1,6 (1 A)	4 (10 A)	2,5 (2,5 A)
SFR.4	250	6,3	2,5	1,6	2,5	2,5
SFO.4	250	6,3	2,5	1,6	4	2,5

(*) value referred to the insulation characteristics of the terminal block – (**) all terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks – (***) neon bulb

SFR.6/GR	Cat. No. SR300GR
SFR.6	Cat. No. SR300
for fuses	
6	
0,2 ÷ 10	
0,2 ÷ 10	
6 - WP60/20	
630 V (*) / 10 A (33 A with brass cylinder) / A5	
600 V / 10 A / 20-8 AWG / 13 lb.in	
-	
6 kV (*) / 3	
11	
0,8 / 1,4	
59 / 79 / 10	
67 / 79 / 10	
63 / 79 / 10	

SFR.4/VS/GR	Cat. No. SF910GR
SFR.4/VS	Cat. No. SF910
for fuses with solder lug	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
400 V (*) / 6,3 A max (15 A with CO/5) / A4	
-	
4 kV (*) / 3	
11	
0,5 / 1,2	
52 / 65 / 8	
60 / 65 / 8	
56 / 65 / 8	

SFO.4/VS	Cat. No. SF410
for fuses with solder lug	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
400 V (*) / 6,3 A max (15 A with CO/5) / A4	
-	
4 kV (*) / 3	
11	
0,5 / 1,2	
59 / 85 / 8	
67 / 85 / 8	
63 / 85 / 8	

Type	Cat. No.
SFR.6/PT/GR	SR301GR
SFR.6/PT	SR301
SFR.6/PT (Ex)i	SR401
PTC/20/02 poles (***)	PTC2002
PTC/20/03 poles (***)	PTC2003
PTC/20/05 poles (***)	PTC2005
PTC/20/10 poles (***)	PTC2010
PTC/20/00 (25 poles) (***)	PTC2000
25	
PTC/SP	PTC0990
-	
DFU/7	DU07..
DFM/300	DF300
-	
SDD/1	DD001
-	
KITLSN/12-24	KIT1224
KITLSN/70-380	KIT70380
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	
SFR.4/PT	SR701
-	
-	
-	
-	
DFU/3	DU03..
-	
-	
-	
F5	FN...
CIL/12	SF512
CIL/24	SF524
CIL/48	SF548
CIL/115	SF515
CIL/230	SF523
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	
SFO/PT	SF401
-	
PM/90/2 poles	PM902
PM/90/3 poles	PM903
PM/90/5 poles	PM905
PM/90/10 poles	PM900
25	
-	
PMP/20	PMP20
-	
DFU/7	DU07..
-	
SDD/1	DD001
CNU/8/51	NU0851
F5	FN...
CIL/12	SF512
CIL/24	SF524
CIL/48	SF548
CIL/115	SF515
CIL/230	SF523
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005






Fuse-holder/diode-holder

with UL94V-0 polyamide insulating body





- mounting onto PR/3, TH/35 type rails, according to IEC 60715 Std.
- two-levels: upper: fuse-holder / diode holder; lower: feed-through
- for $\varnothing 5 \times 20$ mm fuses (supplied separately) with possibility to detect the fuse-blowout status, by means of a LED micro-circuit (CIL...)
- for 1 A diodes (types 1N4001 ÷ 1N4007)
- for 3 A diodes (types BY255)
- Available in grey colour (RAL 7042)

The /GR tag indicates the grey colour version.

grey version	
beige version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage  / 	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness 	TH/35 7,5 mm
height / width / thickness 	TH/35 15 mm
height / width / thickness 	G32

APPROVALS

ACCESSORI	
End sections	grey beige blue
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Numbering strip	
Miniature fuse	$\varnothing 5 \times 20$ mm
Conducting element	$\varnothing 5 \times 20$ mm
LED circuit composed by:	non-polarised
- 2 contacts	
- 1 microcircuit	
- 1 transparent cover - to be inserted in such a sequence	
Marking tag	printed or blank
Terminal block with LED 12 ÷ 48 V non polarised micro-circuit	
Terminal block with LED 115 ÷ 230 V non polarised micro-circuit	
1 A cartridge / insert	
3 A cartridge / insert	
Terminal block with 1 A diode	
Terminal block with 3 A diode	
End bracket	
Mounting rail 	
according to IEC 60715 Std. 	

DSF.4/GR	Cat. No. DA200GR
DSF.4	Cat. No. DA200
On two levels: $\varnothing 5 \times 20$ mm fuse-holder (upper level) - feed-through (lower level)	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V / [6,3 A (10 A with CO/5) (upper lever)] - 32 A (lower level) / A4	
-	
8 kV / 3	
9	
0,5 / 1,2	
69 / 79,5 / 8	
77 / 79,5 / 8	
- / - / -	

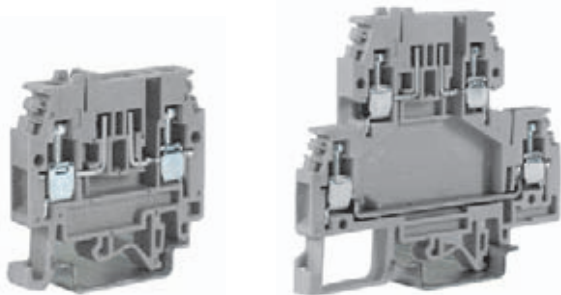
KEMA-KEUR, UL pending

Type	Cat. No.
DSF.4/PT/GR	DS401GR
DFU/7	DU07..
-	
-	
-	
F5/...	FN...
CO/5	VL103
CIL/12-48	SF518
CIL/115-230	SF510
CNU/8	NU08...
CNU/10	NU10...
DSF.4/GR/C12-48	DA518GR
DSF.4/GR/C115-230	DA510GR
SFR/11A (con diodo da 1 A)	SF992
SFR/13A (con diodo da 3 A)	SF993
DSF.4/GR/D1A	DA901GR
DSF.4/GR/D3A	DA903GR
BTU per PR/DIN e PR/3	BT005
BT/3-BTO solo per PR/3	BT003-BT007
PR/3/AC per PR/DIN e PR/3	PR003
PR/3/AS idem con asole	PR005

Fuse-holders

with UL94V-0 polyamide insulating body

- for blade fuse acc. to DIN 72581/3F – ISO 8820
- standard versions available in grey RAL 7042 and beige RAL 1001 colours (where indicated)
- with possibility to insert the “Easy Bridge” multi-pole cross connection upstream the fuse
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types



- (*) value referred to the insulation characteristics of the terminal block
 (**) values referred, respectively, to lower and upper levels
 (***) suitable for all the blade fuses with similar dimensions
 (****) separate configuration conf. to IEC 60947-7-3

PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

Terminal block	Jumper	Insulation voltage in the above configurations (V)			
MPFA.4	PTC/4	400	400	400	400
DSFA.4	PTC/4	400	400	400	400

The /GR tag indicates the grey colour version.

grey version	
beige version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section (mm ²)	4
connecting capacity	
flexible (mm ²)	0,2 ÷ 6
rigid (mm ²)	0,2 ÷ 6
max. flexible with ferrule (mm ² -ferrule type)	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V (*) / 15 A (****) / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage / (V)	600 V / 6,3 A / 26-10 AWG / 4,4 lb.in
rated impulse withstand voltage / pollution degree	6 kV (*) / 3
insulation stripping length (mm)	9
tightening torque value (test / max) (Nm)	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	47 / 47 / 6
height / width / thickness TH/35 15 mm	55 / 47 / 6
height / width / thickness G32	51 / 47 / 6

MPFA.4/GR	
Cat. No.	MF100GR
MPFA.4	
Cat. No.	MF100
for blade fuse (***)	4
connecting capacity	
flexible (mm ²)	0,2 ÷ 6
rigid (mm ²)	0,2 ÷ 6
max. flexible with ferrule (mm ² -ferrule type)	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V (*) / 15 A (****) / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage / (V)	600 V / 6,3 A / 26-10 AWG / 4,4 lb.in
rated impulse withstand voltage / pollution degree	6 kV (*) / 3
insulation stripping length (mm)	9
tightening torque value (test / max) (Nm)	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	47 / 47 / 6
height / width / thickness TH/35 15 mm	55 / 47 / 6
height / width / thickness G32	51 / 47 / 6

DSFA.4/GR	
Cat. No.	DA100GR
DSFA.4	
Cat. No.	DA100
for blade fuse (***)	2 level - for blade fuse (***) on the upper level
connecting capacity	
flexible (mm ²)	0,2 ÷ 6
rigid (mm ²)	0,2 ÷ 6
max. flexible with ferrule (mm ² -ferrule type)	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V (*) / 15 A (****) - 32 A (**) / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage / (V)	300 V / 6,3 - 30 A / 26-10 AWG / 4,4 lb.in
rated impulse withstand voltage / pollution degree	6 kV / 3
insulation stripping length (mm)	9
tightening torque value (test / max) (Nm)	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	68 / 78 / 6
height / width / thickness TH/35 15 mm	75 / 78 / 6
height / width / thickness G32	72 / 78 / 6



MPFA.4 – detail of the terminal blocks with CNU/8 and SNZ/60 numbering, blade fuse, view of the PTC/4 and PTC. The terminal block can be supplied with a non-polarised LED signal circuit, to detect the fuse blow-out status. Two versions are available depending on the different supply voltages.
MPFA.4/L12 Cat. No.MF112 (with 12 V non-polarised LED circuit)
MPFA.4/L24 Cat. No.MF124 (with 24 V non-polarised LED circuit)

APPROVALS



Approvals referred to the use with CPF/5 fuse carrier cartridge



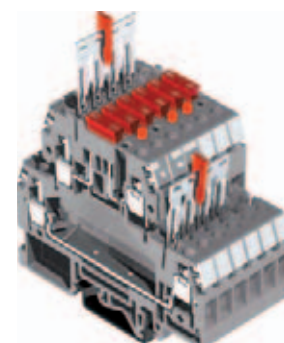
Approvals referred to the use with CPF/5 fuse carrier cartridge

ACCESSORIES

End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper (A)	
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Blade-type fuses	In = 2 A In = 5 A - max voltage 32 V In = 7,5 A In = 15 A
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
MPS.4/PT/GR	MP901GR
MPS.4/PT	MP901
-	-
PTC/4/02 poles	PTC0402
PTC/4/03 poles	PTC0403
PTC/4/05 poles	PTC0405
PTC04/10 poles	PTC0410
PTC/4/00 (42 poles)	PTC0400
32	
PTC/SP	PTC0990
-	-
-	-
DFU/3	DU03..
DFM/500	DF500
-	-
-	-
-	-
-	-
F32/2 In = 2 A	FN03202
F32/5 In = 5 A	FN03205
F32/7 In = 7,5 A	FN03207
F32/15 In = 15 A	FN03215
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
DSS/PT/GR	DS301GR
DSS/PT	DS301
-	-
PTC/4/02 poles	PTC0402
PTC/4/03 poles	PTC0403
PTC/4/05 poles	PTC0405
PTC04/10 poles	PTC0410
PTC/4/00 (42 poles)	PTC0400
32	
PTC/SP	PTC0990
-	-
-	-
-	-
-	-
-	-
DFU/7	DU07..
DFM/500	DF500
-	-
-	-
-	-
-	-
F32/2 In = 2 A	FN03202
F32/5 In = 5 A	FN03205
F32/7 In = 7,5 A	FN03207
F32/15 In = 15 A	FN03215
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

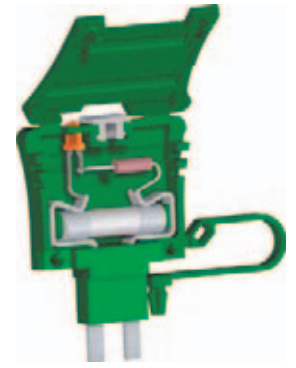


DSFA.4 – detail of the terminal blocks with CNU/8 and SNZ/60 numbering, blade fuse, view of the PTC/4 jumpers on the upper level (upstream the fuse) and on the lower level. The terminal block can be supplied with a non-polarised LED signal circuit, to detect the fuse blow-out status. Two versions are available depending on the different supply voltages.
DSFA.4/L12 Cat. No.DA112 (with 12 V non-polarised LED circuit)
DSFA.4/L24 Cat. No.DA124 (with 24 V non-polarised LED circuit)

Component-holder cartridge

with UL94V-0 polyamide insulating body

- to be mounted on MPFA.4, DSFA.4 and HMFA.2 (see page 84)
- a fuse \varnothing 5 x 20 mm can be inserted (our type F5, with or without signalling LED, diode (1 or 3 A), brass pin \varnothing 5 x 20 mm and other components (e.g. resistors)



Max. dissipated power – In conf. with IEC 60947-7-3						
Terminal block	Voltage [V] (*)	Current [A]	Protection against overload and short circuit		Only protection against short circuit	
			Single configuration (PV) - [W]	Composite configuration (PV) - [W]	Single configuration (PV) - [W]	Composite configuration (PV) - [W]
MPFA.4 + CPF/5	250	6,3	1,6	1,6	4	1,6
DSFA.4 + CPF/5	250	6,3	1,6	1,6	4	1,6
HMFA.2 + CPF/5	250	6,3	1,6	1,6	4	1,6

standard version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage /	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

CPF/5	Cat. No.	CPF05
component-holder cartridge		
320 V (a) / 6,3 A (a) / A5		
4 KV / 3		
(b) / 33 / 6		
(b) / 33 / 6		
(b) / 33 / 6		

APPROVALS

Approvals referred to the terminal blocks, on which the cartridge is mounted – see table

ACCESSORIES	
Marking tag	printed or blank
Tinned brass conductor	\varnothing 5 x 20 mm
Cartridge / insert with 1 A diode	
Cartridge / insert with 3 A diode	

Type	Cat. No.
CNU/8/51	NU0851
CO/5	VL103
SFR/I1A (with 1 A diode)	SF992
SFR/I3A (with 3 A diode)	SF993

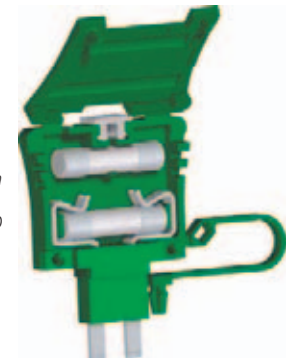
VERSIONI PREDISPOSTE	
With non-polarized LED microcircuit	12 Vdc / Vac
With non-polarized LED microcircuit	24 Vdc / Vac
With non-polarized LED microcircuit	48 Vdc / Vac
With non-polarized LED microcircuit	115 Vdc / Vac
With non-polarized LED microcircuit	230 Vdc / Vac
With 1 A diode (1N4001 ÷ 1N4007 types)	
With 3 A diode (BY255 type)	
With resistor 1200 Ω (1 W \pm 5%)	

Type	Cat. No.
CPF/5L12	CPF512
CPF/5L24	CPF524
CPF/5L48	CPF548
CPF/5L115	CPF511
CPF/5L230	CPF523
CPF/5D1A	CPF501
CPF/5D3A	CPF503
CPF/5R	CPR05

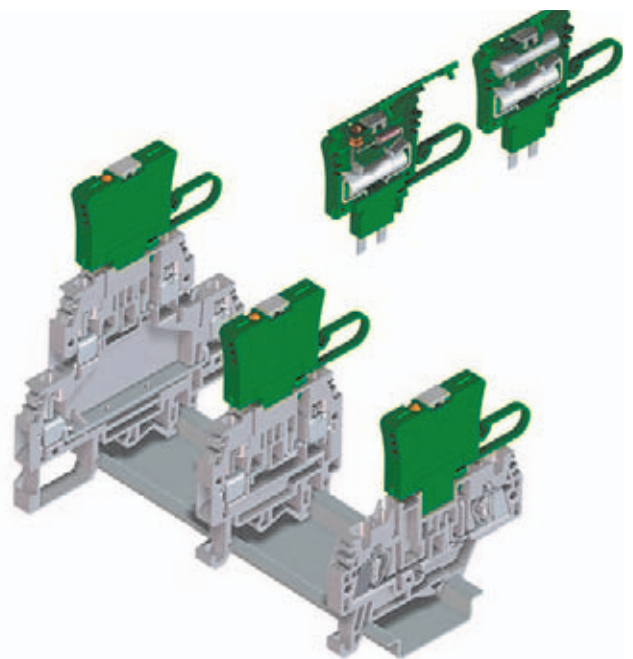
Note:

- (a) with fuse \varnothing 5 x 20 mm, 250 V, $I_{max} = 6,3$ A – with brass pin $I_{max} = 10$ A
 (b) total value, when the cartridge is mounted on terminals, considering as well the mounting rail:

Terminal block	Height on rail TH/35 7,5 (mm)	Height on rail TH/35 15 (mm)	Height on rail G32 (mm)
HMFA.2	57	75	-
MPFA.4	75	83	79
DSFA.4	96	104	100



The cartridge can contain a spare fuse, instead of the LED signalling circuit.



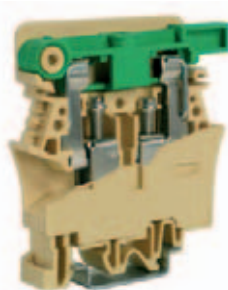
View of the different choices for mounting the cartridge respectively on terminals DSFA.4, MPFA.4 or HMFA.2.

When the cartridge is mounted on HMFA 2 terminals, adjoining one another, a terminal strip must be envisaged between one terminal and the next, because of the pitch differential between terminal and cartridge.

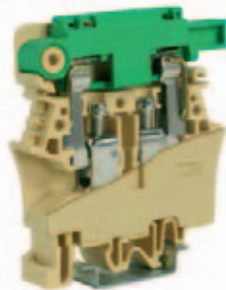
Fuse-holders

with UL94V-0 polyamide insulating body

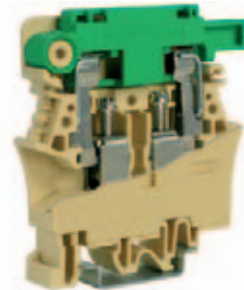
- for $\varnothing 6.3 \times 32$ mm fuses
- for $\varnothing 6.3 \times 32$ mm fuses, with possibility to detect the fuse blow-out status, by means of a LED micro-circuit (CIL...)
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., G32 and "TH/35" types
- available in beige RAL 1001 colour



The terminal block is equipped with a lever suited to house a $\varnothing 6.3 \times 32$ mm - 500 V fuse (not supplied).



The terminal block is equipped with a lever suited to house a $\varnothing 6.3 \times 32$ mm - 500 V fuse and a non-polarised LED microcircuit. The interruption of the fuse determines the ignition of the LED. The terminal block can be supplied with the CIL circuit already mounted for the insertion of a non polarised LED circuit.



The terminal block is equipped with a lever suited to house a $\varnothing 6.3 \times 32$ mm - 500 V fuse and a neon lamp with incorporated resistance (our type LSN $\varnothing 6 \times 26$ mm - 380 V max) The interruption of the fuse determines the ignition of the lamp.

(*) value referred to the insulation characteristics of the terminal block

(**) for simultaneous disconnection of adjoining terminal blocks

LSN



beige version

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TECHNICAL CHARACTERISTICS

function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage / (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES

End sections	beige blue
Permanent cross connection (pre-assembled) (***) intrinsically IPXXB protected once mounted	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
MSM handle (**)	
Neon lamp $\varnothing 6 \times 26$ mm	
LED circuit composed by:	non-polarised
- 2 contacts	
- 1 microcircuit	
- 1 transparent cover - to be inserted in such a sequence	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

FPC.10

Cat. No.	FP100
----------	-------

for $\varnothing 6.3 \times 32$ mm fuses	
10	
1,5 ÷ 16	
1,5 ÷ 16	
10 - WP100/21	
800 V (*) / 10 A (20 A with SFC/CO) / B6	
600 V / 15 A / 20-6 AWG / 7 lb.in.	
-	
6 KV (*) / 3	
17	
1,2 / 1,9	
70 / 63 / 12	
78 / 63 / 12	
74 / 63 / 12	



Type	Cat. No.
-	-
-	-
-	-
DFU/6	DU06..
-	-
SDD/2	DD002
MSM (6 elements)	FC103
-	-
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

FPL.10/C

Cat. No.	FP300
----------	-------

for $\varnothing 6.3 \times 32$ mm fuses with LED	
10	
1,5 ÷ 16	
1,5 ÷ 16	
10 - WP100/21	
800 V (*) / 10 A / B6	
300 V / 15 A / 20-6 AWG / 7 lb.in.	
-	
6 KV (*) / 3	
17	
1,2 / 1,9	
71 / 63 / 12	
79 / 63 / 12	
75 / 63 / 12	

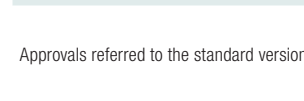


Type	Cat. No.
-	-
-	-
-	-
DFU/6	DU06..
-	-
-	-
MSM (6 elements)	FC103
-	-
CIL/12	SF512
CIL/24	SF524
CIL/48	SF548
CIL/115	SF515
CIL/230	SF523
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

FPL.10/L

Cat. No.	FP200
----------	-------

for $\varnothing 6.3 \times 32$ mm fuses with lamp	
10	
1,5 ÷ 16	
1,5 ÷ 16	
10 - WP100/21	
800 V (*) / 10 A (20 A with SFC/CO) / B6	
300 V / 15 A / 20-6 AWG / 7 lb.in.	
-	
6 KV (*) / 3	
17	
1,2 / 1,9	
71 / 63 / 12	
79 / 63 / 12	
75 / 63 / 12	



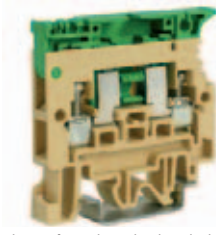
Type	Cat. No.
-	-
-	-
-	-
PMP/20	PMP20
-	-
DFU/6	DU06..
-	-
-	-
SDD/1	DD001
MSM (6 elements)	FC103
LSN	FL202
-	-
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Approvals referred to the standard version

Fuse-holders with LED circuit

with UL94V-0 polyamide insulating body

- for $\varnothing 5 \times 20$ mm fuses, with possibility to detect the fuse blow-out status, by means of a LED microcircuit (CIL...)
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- with non-polarised LED microcircuits (CIL) to operate under a.c and/or d.c. and to detect the fuse blow-out status
- available in beige RAL 1001 colour



(*) value referred to the insulation characteristics of the terminal



F5 $\varnothing 5 \times 20$ mm fuse
(250 V - 5 A max)



CIL/... circuit

The terminal block is equipped with a lever suited for the housing of our **F5** type - $\varnothing 5 \times 20$ mm **fuse**.

Non-polarized LED microcircuits (CILs) are inserted in an appropriate housing of the lever.

The interruption of the fuse determines the ignition of the LED.

Various versions, according to different voltages, are available.

beige version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage / (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

SFR.4/C12	Cat. No.	SF912
with 12V non-polarized LED circuit		
SFR.4/C24	Cat. No.	SF924
with 24V non-polarized LED circuit		
fuse-holder with LED		
4		
0,2 ÷ 6		
0,2 ÷ 6		
4 - WP40/16		
800 V (*) / 6,3 A max / A4		
600 V / 6,3 A / 20-12 AWG / 4,4 lb.in.		
-		
6 kV (*) / 3		
11		
0,5 / 1,2		
52 / 52 / 8		
60 / 52 / 8		
56 / 52 / 8		

SFR.4/C48	Cat. No.	SF948
with 48V non-polarized LED circuit		
SFR.4/C115	Cat. No.	SF915
with 115V non-polarized LED circuit		
SFR.4/C230	Cat. No.	SF923
with 230V non-polarized LED circuit		
fuse-holder with LED		
4		
0,2 ÷ 6		
0,2 ÷ 6		
4 - WP40/16		
800 V (*) / 6,3 A max / A4		
600 V / 6,3 A / 20-12 AWG / 4,4 lb.in.		
-		
6 kV (*) / 3		
11		
0,5 / 1,2		
52 / 52 / 8		
60 / 52 / 8		
56 / 52 / 8		

Approvals referred to the standard version (see page 32)

Approvals referred to the standard version (see page 32)

ACCESSORIES	
End sections	beige blue
Permanent cross connection	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Miniature fuse	$\varnothing 5 \times 20$ mm
Conducting element	
LED circuit	non-polarized
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

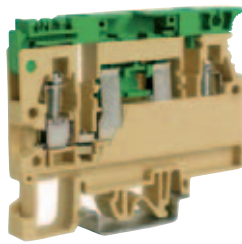
Type	Cat. No.
SFR/PT	SF701
-	
-	
-	
-	
DFU/3	DU03..
-	
-	
-	
F5	FN...
C0/5	VL103
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
SFR/PT	SF701
-	
-	
-	
-	
DFU/3	DU03..
-	
-	
-	
F5	FN...
C0/5	VL103
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

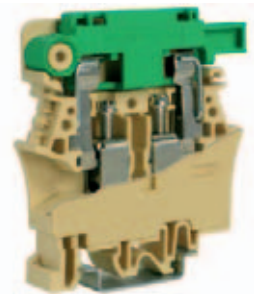
Fuse-holders with LED circuit

with UL94V-0 polyamide insulating body

- with non-polarized LED microcircuits (CIL) to operate under a.c. and/or d.c. and to detect the blow-out status of the fuse
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in beige RAL 1001 colour



(**) The terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks.



The terminal blocks are provided with a lever suited to house an **F5** type $\varnothing 5 \times 20$ mm fuse for terminal block type SF0.4 and $\varnothing 6.3 \times 32$ mm fuse for terminal block type FPL.10. The non-polarised printed **microcircuits** are inserted in an appropriate housing in the lever. The blow-out status of the fuse ignites the LED. Various versions for different voltages are available.



CIL... circuit

(*) value referred to the insulating characteristics of the terminal block

beige version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

SFO.4/C12	Cat. No.	SF812
with 12V non-polarized LED circuit		
SFO.4/C24	Cat. No.	SF824
with 24V non-polarized LED circuit		
for $\varnothing 5 \times 20$ mm fuse and LED circuit		
4		
0,2 ÷ 6		
0,2 ÷ 6		
4 - WP40/16		
800 V (*) / 6,3 A max / A4		
250 V / 20 A / 20-12 AWG / 4,4 lb.in.		
-		
6 kV (*) / 3		
11		
0,8 / 1,2		
59 / 73 / 8		
67 / 73 / 8		
62 / 73 / 8		

SFO.4/C48	Cat. No.	SF848
with 48V non-polarized LED circuit		
SFO.4/C115	Cat. No.	SF815
with 115V non-polarized LED circuit		
SFO.4/C230	Cat. No.	SF823
with 230V non-polarized LED circuit		
for $\varnothing 5 \times 20$ mm fuse and LED circuit		
4		
0,2 ÷ 6		
0,2 ÷ 6		
4 - WP40/16		
800 V (*) / 6,3 A max / A4		
250 V / 20 A / 20-12 AWG / 7 lb.in.		
-		
6 kV (*) / 3		
11		
0,8 / 1,2		
59 / 85 / 8		
67 / 85 / 8		
62 / 85 / 8		

FPL.10/C12	Cat. No.	FP912
with 12V non-polarized LED circuit		
FPL.10/C24	Cat. No.	FP924
with 24V non-polarized LED circuit		
FPL.10/C48	Cat. No.	FP948
with 48V non-polarized LED circuit		
FPL.10/C115	Cat. No.	FP915
with 115V non-polarized LED circuit		
FPL.10/C230	Cat. No.	FP923
with 230V non-polarized LED circuit		
for $\varnothing 6,3 \times 32$ mm fuse and LED circuit		
10		
1,5 ÷ 16		
1,5 ÷ 16		
10 - WP100/21		
800 V (*) / 10 A / B6		
300 V / 15 A / 20-6 AWG / 7 lb.in.		
-		
6 kV (*) / 3		
17		
1,2 / 1,9		
71 / 63 / 12		
79 / 63 / 12		
75 / 63 / 12		

APPROVALS

Approvals referred to the standard version (see page 32)

Approvals referred to the standard version (see page 32)

Approvals referred to the standard version (see page 36)

ACCESSORIES	
End sections	beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Miniature fuse	$\varnothing 5 \times 20$ mm
MSM handle	
LED circuit	non-polarized
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
SFO/PT	SF401
PM/90/2 poles	PM902
PM/90/3 poles	PM903
PM/90/5 poles	PM905
PM/90/10 poles	PM900
25	
PMP/20	PMP20
CPM/20	CPM20
DFU/7	DU07..
-	
PSD/J	PD014
SDD/1	DD001
CNU/8/51	NU0851
F5	FN...
-	
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

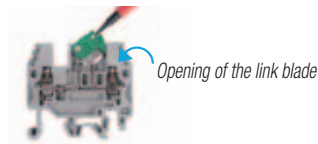
Type	Cat. No.
SFO/PT	SF401
PM/90/2 poles	PM902
PM/90/3 poles	PM903
PM/90/5 poles	PM905
PM/90/10 poles	PM900
25	
PMP/20	PMP20
CPM/20	CPM20
DFU/7	DU07..
-	
PSD/J	PD014
SDD/1	DD001
CNU/8/51	NU0851
F5	FN...
-	
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	
-	
-	
-	
-	
-	
-	
-	
-	
DFU/6	DU06..
-	
-	
-	
-	
-	
MSM (6 elements)	FC103
-	
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Disconnect

with UL94V-0 polyamide insulating body

- disconnect with special connections
- possibility to perform cross-connections
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- universal mounting onto both PR/DIN and PR/3 type rails - acc. to IEC 60715 Std., "G32" and "TH/35" types



Opening of the link blade

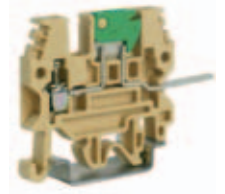
The /GR tag indicates the grey colour version.



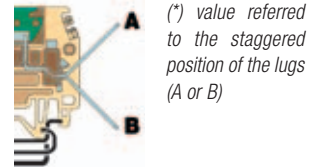
with cross-connection possibility and suited to house a \varnothing 2.3 mm test plug, only in the slot of the cross-connection



with cross-connection possibility and suited to house a \varnothing 2.3 mm test plug, in the slot of the cross-connection or in the head of the tightening screws



with 1 screw and 1 solder connection, 4 x 0.8 mm



(*) value referred to the staggered position of the lugs (A or B)

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

MPS.2/SW/GR	Cat. No. MP120GR
MPS.2/SW	Cat. No. MP120
MPS.2/SW (Ex)i	Cat. No. MP130
disconnect with cross-connection possibility	2,5
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
630 V / 18 A / A3	
600 V / 20 A / 20-12 AWG / 5,5 lb.in	
-	
6 KV / 3	
8	
0,4 / 0,8	
43 / 45 / 5,5	
51 / 45 / 5,5	
47 / 45 / 5,5	

MPS.2/SWP/GR	Cat. No. MP710GR
MPS.2/SWP	Cat. No. MP710
disconnect with cross-connection possibility	2,5
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
630 V / 18 A / A3	
600 V / 20 A / 20-12 AWG / 5,5 lb.in	
-	
6 KV / 3	
8	
0,4 / 0,8	
43 / 45 / 5,5	
51 / 45 / 5,5	
47 / 45 / 5,5	

MPS.2/SV/GR	Cat. No. MP220GR
MPS.2/SV	Cat. No. MP220
disconnect lever with 1 screw and 1 solder connect.	2,5
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
500 V (*) / 18 A / A3	
300 V / 20 A / 20-12 AWG / 5,5 lb.in	
-	
4 KV / 3	
8	
0,4 / 0,8	
43 / 60 / 5,5	
51 / 60 / 5,5	
47 / 60 / 5,5	

APPROVALS



+ other approvals referred to MPS.2/SW standard version



ACCESSORIES

End sections	grey beige blue
Permanent cross connection (pre-assembled)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	rosso, blu o bianco
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
MPS.2/PT/GR	MP121GR
MPS.2/PT	MP121
MPS.2/PT (Ex)i	MP131
PM/91/2 poles	PM912
PM/91/3 poles	PM913
PM/91/5 poles	PM915
PM/91/10 poles	PM910
POS/91	POS91
PMP/01	PMP01
CPM/11 (CPX/11)	CPM11 (CPX11)
DFU/2	DU02..
-	
PSD/K	PD011
SDD/1	DD001
-	
PRP/5	PRP05
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
MPS.2/PT/GR	MP121GR
MPS.2/PT	MP121
PM/91/2 poles	PM912
PM/91/3 poles	PM913
PM/91/5 poles	PM915
PM/91/10 poles	PM910
POS/91	POS91
PMP/01	PMP01
CPM/11	CPM11
DFU/2	DU02..
-	
PSD/K	PD011
SDD/1	DD001
-	
PRP/5	PRP05
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

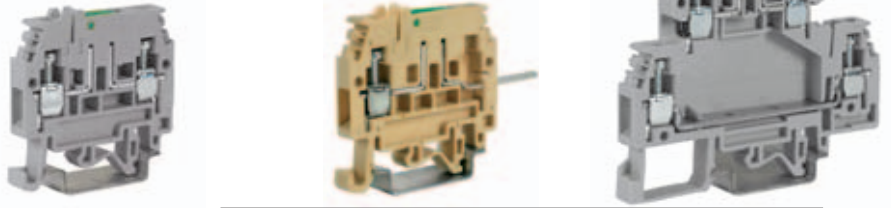
Type	Cat. No.
MPS.2/PT/GR	MP121GR
MPS.2/PT	MP121
PM/91/2 poles	PM912
PM/91/3 poles	PM913
PM/91/5 poles	PM915
PM/91/10 poles	PM910
POS/91	POS91
PMP/01	PMP01
CPM/11	CPM11
DFU/2	DU02..
-	
PSD/K	PD011
SDD/1	DD001
-	
PRP/5	PRP05
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Disconnect

with UL94V-0 polyamide insulating body

- disconnect with special connections
- possibility to perform cross-connections
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- “Easy Bridge” system: multi-pole cross-connection without the need of additional protection

with 1 screw and 1 solder connection,
4 x 0.8 mm



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

Terminal block	Jumper	Insulation voltage in the above configurations (V)			
MPS.4	PTC/4	400	400	400	400
DSS.4	PTC/4	400	400	400	400

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

MPS.4/GR	
Cat. No.	MP950GR
MPS.4	
Cat. No.	MP950
MPS.4/SW (Ex)i	
Cat. No.	MP960
disconnect lever	4
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
400 V / 24 A / A4	
600 V / 24 A / 26-10 AWG / 4,4 lb.in	
-	
6 KV / 3	
9	
0,5 / 1,2	
47 / 47 / 6	
55 / 47 / 6	
51 / 47 / 6	

MPS.4/VS	
Cat. No.	MP930
disconnect lever with 1 screw and 1 solder connect.	4
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
400 V / 20 A / A4	
600 V / 24 A / 26 ÷ 10 AWG / 5,5 lb.in	
-	
4 KV / 3	
9	
0,5 / 1,2	
47 / 47 / 6	
55 / 47 / 6	
51 / 47 / 6	

DSS.4/GR	
Cat. No.	DS400GR
DSS.4	
Cat. No.	DS400
2 levels, with upper disconnect level	4
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
400 V / 24-32 A (*) / A4	
300 V / 24-32 A / 26-10 AWG / 4,4 lb.in	
-	
4 KV / 3	
9	
0,5 / 1,2	
68 / 78 / 6	
75 / 78 / 6	
72 / 78 / 6	

APPROVALS



other approvals referred to MPS.4 standard version

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled) (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	red, blue or white
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
MPS.4/PT/GR	MP901GR
MPS.4/PT	MP901
MPS.4/PT (Ex)i	MP902
PTC/4/02 poles	PTC0402
PTC/4/03 poles	PTC0403
PTC/4/05 poles	PTC0405
PTC/4/10 poles	PTC0410
PTC/4/00 (42 poles)	PTC0400
32	
PTC/SP	PTC0990
-	
-	
DFU/3	DU03..
DFM/500	DF500
-	
-	
CNU/8/61	NU0861
-	
CNU/8/61	NU0861
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	
MPS.4/PT	MP901
PTC/4/02 poles	PTC0402
PTC/4/03 poles	PTC0403
PTC/4/05 poles	PTC0405
PTC/4/10 poles	PTC0410
PTC/4/00 (42 poles)	PTC0400
32	
PTC/SP	PTC0990
-	
-	
DFU/3	DU03..
DFM/500	DF500
-	
-	
CNU/8/61	NU0861
-	
CNU/8/61	NU0861
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

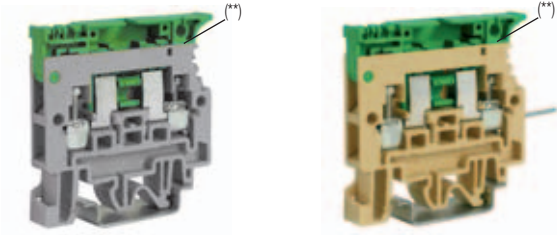
Type	Cat. No.
DSS/PT/GR	DS301GR
DSS/PT	DS301
PTC/4/02 poles	PTC0402
PTC/4/03 poles	PTC0403
PTC/4/05 poles	PTC0405
PTC/4/10 poles	PTC0410
PTC/4/00 (42 poles)	PTC0400
32	
PTC/SP	PTC0990
-	
-	
DFU/7	DU07..
DFM/500	DF500
-	
-	
CNU/8/61	NU0861
-	
CNU/8/61	NU0861
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

(*) values referred to the upper and lower conducting body, respectively

Disconnect

with UL94V-0 polyamide insulating body

- disconnect by means of a brass cylinder to be inserted in the lever
- disconnect with special connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



(**) Both terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks

1 screw and 1 4 x 0.8 mm solder connection



Ø 5 x 20 mm CO/5 conducting element
- in tin plated brass to be inserted in the lever

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage / (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

SFR.4/GR	Cat. No. SF900GR
SFR.4	Cat. No. SF900
SFR.4 (Ex)i	Cat. No. SF850
TECHNICAL CHARACTERISTICS	
disconnect	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V / 20 A (con CO/5) / A4	
600 V / 6,3 A / 20-12 AWG / 4,4 lb.in	
-	
6 kV / 3	
11	
0,5 / 1,2	
52 / 52 / 8	
60 / 52 / 8	
56 / 52 / 8	

SFR.4/VS/GR	Cat. No. SF910GR
SFR.4/VS	Cat. No. SF910
TECHNICAL CHARACTERISTICS	
disconnect, with solder lug	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
400 V / 15 A (con CO/5) / A4	
-	
4 kV / 3	
11	
0,5 / 1,2	
52 / 65 / 8	
60 / 65 / 8	
56 / 65 / 8	

APPROVALS



ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Manopola di manovra	
Brass conducting cylinder	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

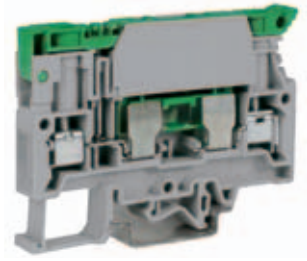
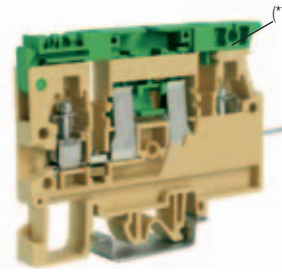
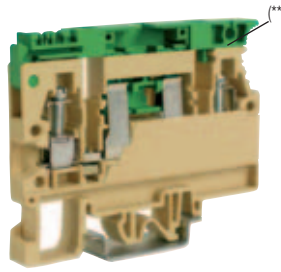
Type	Cat. No.
SFR.4/PT/GR	SF701GR
SFR.4/PT	SF701
SFR.4/PT (Ex)i	SF801
-	
-	
-	
-	
DFU/3	DU03..
-	
-	
-	
-	
-	
CO/5	VL103
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
SFR.4/PT/GR	SF701GR
SFR.4/PT	SF701
-	
-	
-	
-	
DFU/3	DU03..
-	
-	
-	
-	
-	
CO/5	VL103
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Disconnect

with UL94V-0 polyamide insulating body

- disconnect by means of a brass conducting element to be inserted in the lever
- possibility to perform cross-connections
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types



(**) Both terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks

Please refer to the table on page 148 in order to determine the insulation voltage of the different PTC connection diagrams

with possibility to perform cross connections both upstream and downstream the disconnection point



∅ 5 x 20 mm CO/5 conducting element
- in tin plated brass to be inserted in the lever

The /GR tag indicates the grey colour version.

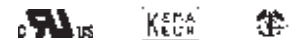
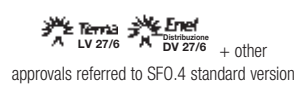
grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

SFO.4/GR	Cat. No. SF400GR
SFO.4	Cat. No. SF400
SFO.4 (Ex)i	Cat. No. SF600
disconnect	4
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V / 16 A (with CO/5) / A4	
600 V / 6,3 A / 20-12 AWG / 7 lb.in.	
-	
6 KV / 3	
11	
0,5 / 1,2	
59 / 73 / 8	
67 / 73 / 8	
62 / 73 / 8	

SFO.4/GR	Cat. No. SF410GR
SFO.4/VS	Cat. No. SF410
disconnect with solder lug	4
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V / 15 A (with CO/5) / A4	
-	
4 KV / 3	
11	
0,5 / 1,2	
59 / 85 / 8	
67 / 85 / 8	
63 / 85 / 8	

SFR.6/M/GR	Cat. No. SR500GR
SFR.6/M	Cat. No. SR500
SFR.6/M (Ex)i	Cat. No. SR600
disconnect	6
0,2 ÷ 10	
0,2 ÷ 10	
4 - WP60/20	
630 V / 19 A (with CO/5) / A5	
600 V / 6,3 A / 20-8 AWG / 13 lb.in.	
-	
6 KV / 3	
11	
0,8 / 1,4	
59 / 79 / 10	
67 / 79 / 10	
63 / 79 / 10	

APPROVALS



ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled) (*) intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
MSM handle	
Brass conducting cylinder	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
SFO/PT/GR	SF401GR
SFO/PT	SF401
SFO/PT (Ex)i	SF601
PM/90/2 poles	PM902
PM/90/3 poles	PM903
PM/90/5 poles	PM905
PM/90/10 poles	PM900
24	
-	
PMP/20	PMP20
CPM/20	CPM20
DFU/7	DU07..
-	
PSD/J	PD014
SDD/1	DD001
-	
-	
CO/5	VL103
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

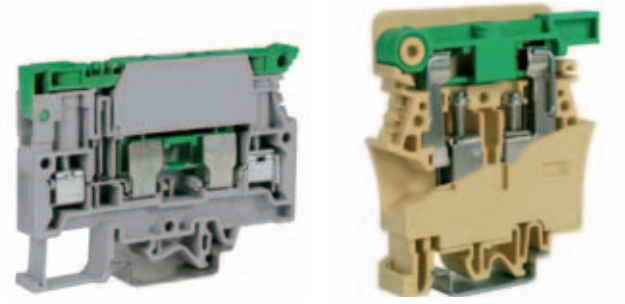
Type	Cat. No.
SFO/PT/GR	SF401GR
SFO/PT	SF401
-	
PM/90/2 poles	PM902
PM/90/3 poles	PM903
PM/90/5 poles	PM905
PM/90/10 poles	PM900
25	
-	
PMP/20	PMP20
CPM/20	CPM20
DFU/7	DU07..
-	
PSD/J	PD014
SDD/1	DD001
-	
-	
CO/5	VL103
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
SFR.6/PT/GR	SR301GR
SFR.6/PT	SR301
SFR.6/PT (Ex)i	SR401
PTC/20/02 poles (*)	PTC2002
PTC/20/03 poles (*)	PTC2003
PTC/20/05 poles (*)	PTC2005
PTC/20/10 poles (*)	PTC2010
PTC/20/00 (25 poles) (*)	PTC2000
25	
-	
-	
-	
DFU/7	DU07..
DFM/300	DF300
-	
-	
SDD/1	DD001
-	
-	
CO/5	VL103
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Disconnect

with UL94V-0 polyamide insulating body

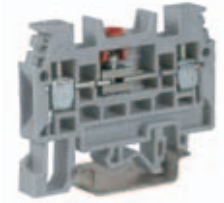
- disconnect by means of a brass cylinder to be inserted in the lever
- slide link disconnect
- possibility to perform cross-connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



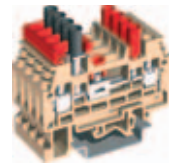
Please refer to the table on page 148 in order to determine the insulation voltage of the different PTC connection diagrams



0.63 x 32 mm SFC/CO conducting element
- in tin plated brass to be inserted in the lever



SCB.4 terminal blocks with short-circuit plates and test plugs



The **/GR** tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

SFR.6/GR	
Cat. No.	SR300GR
SFR.6	
Cat. No.	SR300
SFR.6 (Ex)i	
Cat. No.	SR400
disconnect	6
0,2 ÷ 10	
0,2 ÷ 10	
6 - WP60/20	
630 V / 33 A (with conducting element) / A5	
600 V / 10 A / 20-8 AWG / 13 lb.in	
-	
6 KV / 3	
11	
0,8 / 1,4	
59 / 79 / 10	
67 / 79 / 10	
63 / 79 / 10	

FPC.10	
Cat. No.	FP100
disconnect	10
1,5 ÷ 16	
1,5 ÷ 16	
10 - WP100/21	
800 V / 20 A (with SFC/CO) / B6	
600 V / 15 A / 20-6 AWG / 7 lb.in	
-	
6 KV / 3	
17	
1,2 / 1,9	
70 / 63 / 12	
74 / 63 / 12	
78 / 63 / 12	

SCB.4/GR	
Cat. No.	SB300GR
SCB.4	
Cat. No.	SB300
disconnect by slide-link	4
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V / 32 A / A4	
600 V / 20 A / 20-12 AWG / 4,4 lb.in.	
-	
8 KV / 3	
9	
0,5 / 1,2	
44 / 58 / 6,5	
52 / 58 / 6,5	
48 / 58 / 6,5	

APPROVALS



ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled) (* intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Short-circuit plate	between 2 adjoining terminal blocks between 4 adjoining terminal blocks
Numbering strip	
Brass conducting cylinder	
Screw and sleeve for short circuit plates	
MSM handle	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

Type	Cat. No.
SFR.6/PT/GR	SR301GR
SFR.6/PT	SR301
SFR.6/PT (Ex)i	SR401
PTC/20/02 poles (*)	PTC2002
PTC/20/03 poles (*)	PTC2003
PTC/20/05 poles (*)	PTC2005
PTC/20/10 poles (*)	PTC2010
PTC/20/00 (25 poles) (*)	PTC2000
25	
-	
PTC/SP	PTC0990
-	
DFU/7	DU07..
DFM/300	DF300
-	
SDD/1	DD001
-	
-	
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	
-	
-	
-	
-	
-	
-	
-	
-	
-	
SFC/CO	FC102
-	
MSM (6 elements)	FC103
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
SCB.4/PT/GR	SB301GR
SCB.4/PT	SB301
PM/40/2 poles	PM402
PM/40/3 poles	PM403
PM/40/5 poles	PM405
PM/40/10 poles	PM410
32	
POS/12	POS12
-	
PMP/42	PMP42
CPM/12	CPM12
DFU/3	DU03..
-	
PSD/A	PD001
SDD/6-SDD/1	DD006-DD001
SCB.4/PO/2	SB303
SCB.4/PO/4	SB304
CNU/8/51	NU0851
-	
SCB.4/CPM	SB305
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Terminal blocks for test and measurement circuits

with **UL94V-0 polyamide insulating body**

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types

In SCB.6 type terminal block, the use of special cross-connections, formed by

SCB/6/PO/2 (between 2 adjoining terminal blocks)



or **SCB/6/PO/4** (between 4 adjoining terminal blocks)



and by the relevant **SCB/6/CPM** shunting screws



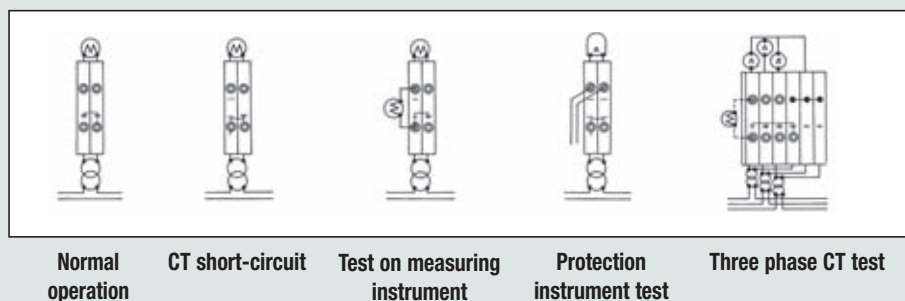
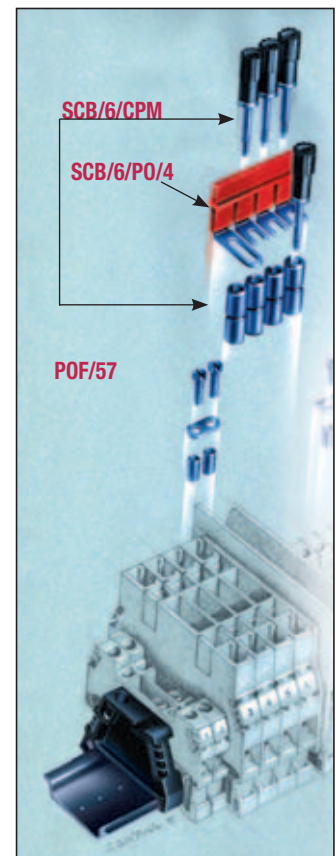
allow the simultaneous earth connection of the current transformers connected to the terminal blocks themselves, guaranteeing the correct operational sequence. In fact such cross connections, in opened position, avoid the translation on the slide links, already connected in an accident prevention position from the outside; they do not require the insertion of further partitions to separate them from other adjoining cross-connections or terminal blocks, due to the special shape of the insulating body of the terminal block itself.

SCB.6 type terminal blocks have also the possibility to house, upstream and downstream the disconnection, sockets for test plugs, suitable for the withdraw of signals.

In particular the shunts can take place:

- on **SCB/CPM** shunting screws of the short-circuit plates
- on **PSD/P** socket to be screwed directly into the conducting body of the terminal block, in order to perform the shunting function.

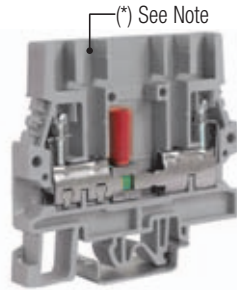
The slide-link is formed by two guides, held together by a screw inserted in a glass-shape collar, which allows the elastic blocking and the anti-loosening of the slide-link and is provided with a red protective colouring for the easy positioning of the screwdriver during the disconnection and the easy spotting of the slide-link itself.



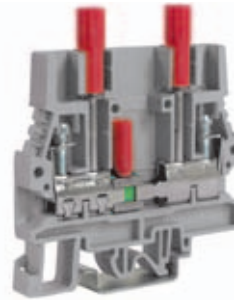
Terminal blocks for test and measurement circuits

with UL94V-0 polyamide insulating body

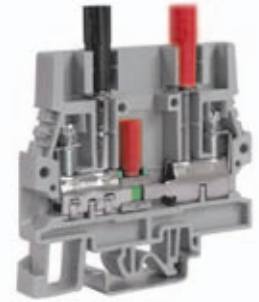
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



(*) For the simple cross-connection between adjoining terminal blocks the multiple common bar shall be used together with cross-connection screw and sleeves. The interposing barrier located in the insulating body of the terminal block shall be removed with the aid of a cutter



Disconnect test terminal block that allows longitudinal and transversal disconnection. Configuration provided with **test plug socket** downstream and upstream the slide link, conforming to ENEL LV27/3 specification



Disconnect test terminal block that allows longitudinal and transversal disconnection. Configuration provided with **test plug socket** upstream and a **short circuit sleeve downstream the slide link** (for short circuit plates type SCB/6/PO/2 or SCB/6/PO/4, supplied separately), conforming to ENEL LV27/2 specification

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section (mm ²)	
connecting capacity	
flexible (mm ²)	
rigid (mm ²)	
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage (V)	
rated impulse withstand voltage / pollution degree	
insulation stripping length (mm)	
tightening torque value (test / max) (Nm)	
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled) (*) intrinsically IPXXB protected once mounted)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	
Short-circuit plate	between 2 adjoining terminal blocks between 4 adjoining terminal blocks
Brass conducting cylinder	
Screw and sleeve	
Screw and sleeve with red socket	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

SCB.6/GR	
Cat. No.	SB200GR
SCB.6	
Cat. No.	SB200
TECHNICAL CHARACTERISTICS	
disconnect by slide-link	
6	
0,5 ÷ 10	
0,5 ÷ 10	
6 - WP60/20	
800 V / 41 A / A5	
600 V / 47 A / 20-8 AWG / 13,3 lb.in.	
-	
8 KV / 3	
12	
0,8 / 1,4	
65 / 69 / 8	
73 / 69 / 8	
68 / 69 / 8	

Type	Cat. No.
SCB/6/PT/GR	SB201GR
SCB/6/PT	SB201
-	
POF/57	POF57
-	
PMP/13	PMP13
CPM/57	CPM57
DFU/6	DU06..
-	
PSD/P	PD015
SDD/2	DD002
-	
SCB/6/PO/2	SB203
SCB/6/PO/4	SB204
SFC/CO	FC102
SCB/6/CPM	SB205
SCB/6/CPM/R	SB205R
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

SCB.6/DD/GR	
Cat. No.	SB210GR
SCB.6/DD	
Cat. No.	SB210
TECHNICAL CHARACTERISTICS	
disconnect by slide-link special configuration for voltmetric circuits	
6	
0,5 ÷ 10	
0,5 ÷ 10	
6 - WP60/20	
800 V / 41 A / A5	
-	
8 KV / 3	
12	
0,8 / 1,4	
76 / 69 / 8	
84 / 69 / 8	
79 / 69 / 8	
Other approvals referring to terminal block SCB.6	

Type	Cat. No.
SCB/6/PT/GR	SB201GR
SCB/6/PT	SB201
-	
POF/57	POF57
-	
PMP/13	PMP13
CPM/57	CPM57
DFU/6	DU06..
-	
SDD/2	DD002
-	
SCB/6/PO/2	SB203
SCB/6/PO/4	SB204
SFC/CO	FC102
SCB/6/CPM	SB205
SCB/6/CPM/R	SB205R
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

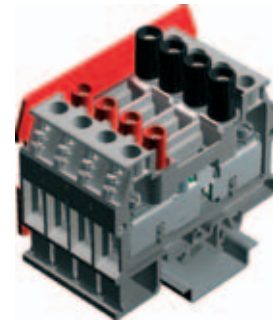
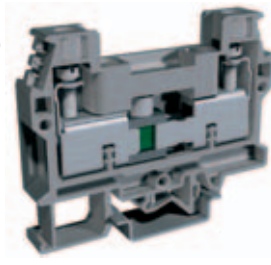
SCB.6/CD/GR	
Cat. No.	SB220GR
SCB.6/CD	
Cat. No.	SB220
TECHNICAL CHARACTERISTICS	
disconnect by slide-link special configuration for amperometric circuits	
6	
0,5 ÷ 10	
0,5 ÷ 10	
6 - WP60/20	
800 V / 41 A / A5	
-	
8 KV / 3	
12	
0,8 / 1,4	
77 / 69 / 8	
85 / 69 / 8	
80 / 69 / 8	
Other approvals referring to terminal block SCB.6	

Type	Cat. No.
SCB/6/PT/GR	SB201GR
SCB/6/PT	SB201
-	
POF/57	POF57
-	
PMP/13	PMP13
CPM/57	CPM57
DFU/6	DU06..
-	
SDD/2	DD002
-	
SCB/6/PO/2	SB203
SCB/6/PO/4	SB204
-	
SCB/6/CPM/R	SB205R
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Terminal blocks for test and measurement circuits

with UL94V-0 polyamide insulating body

- universal mounting onto both PR/DIN and PR/3, "G32" and TH/35 type rails conforming to IEC 60715 Std.
- /DD version (with test plug sockets upstream and downstream the slide link) - for voltmetric circuits
- /CD version (with test plug sockets upstream and downstream the slide link and short-circuit sleeve upstream the slide-link) - for ammetric circuits
- available in beige (RAL 1001) and grey (RAL 7042) colours



Rail assembly with all accessories necessary for the connection of current transformers

The /GR tag indicates the grey colour version.

grey version	SCB.10/GR Cat. No. SB400GR	SCB.10/DD/GR Cat. No. SB410GR	SCB.10/CD/GR Cat. No. SB420GR
beige version	SCB.10 Cat. No. SB400	SCB.10/DD Cat. No. SB410	SCB.10/CD Cat. No. SB420
(Ex)i version			
CARATTERISTICHE TECNICHE			
function / type	disconnect by slide-link	disconnect by slide-link special configuration for voltmetric circuits	disconnect by slide-link special configuration for amperometric circuits
rated cross-section (mm ²)	10	10	10
connecting capacity			
flexible (mm ²)	0,5 ÷ 16	0,5 ÷ 16	0,5 ÷ 16
rigid (mm ²)	0,5 ÷ 16	0,5 ÷ 16	0,5 ÷ 16
max. flexible with ferrule (mm ²)-ferrule type	10 - WP100/21	10 - WP100/21	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 57 A / A4	1000 V / 57 A / A4	1000 V / 57 A / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	-	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	14	14	14
tightening torque value (test / max) (Nm)	0,5 / 1,2	0,5 / 1,2	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	59,5 / 75 / 10,5	59,5 / 75 / 10,5	59,5 / 75 / 10,5
height / width / thickness TH/35 15 mm	67,5 / 75 / 10,5	67,5 / 75 / 10,5	67,5 / 75 / 10,5
height / width / thickness G32	63,5 / 75 / 10,5	63,5 / 75 / 10,5	63,5 / 75 / 10,5

APPROVALS

KEMA-KEUR, UL pending

KEMA-KEUR, UL pending

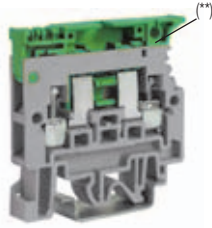
KEMA-KEUR, UL pending

ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey beige	SB401GR SB401	SB401GR SB401	SB401GR SB401	SB401GR SB401	SB401GR SB401
Permanent cross connection		POF56	POF56	POF56	POF56	POF56
Switchable cross connection		PMP13	PMP13	PMP13	PMP13	PMP13
Multiple common bar 250 mm		CPM57	CPM57	CPM57	CPM57	CPM57
Shunting screw and sleeve		DFU7	DFU7	DFU7	DFU7	DFU7
Coloured partition red, green, white		-	-	-	-	-
Cross connection barrier red		PSD/L	PSD/L	PSD/L	PSD/L	PSD/L
Test plug socket		SDD/2	SDD/2	SDD/2	SDD/2	SDD/2
Test plug		-	-	-	-	-
Numbering strip		SCX/CPM	SCX/CPM	SCX/CPM	SCX/CPM	SCX/CPM
Short-circuit plate between 2 adjoining terminal blocks		SCX/PO/2	SCX/PO/2	SCX/PO/2	SCX/PO/2	SCX/PO/2
between 4 adjoining terminal blocks		SCX/PO/4	SCX/PO/4	SCX/PO/4	SCX/PO/4	SCX/PO/4
Marking tag printed or blank		CNU/8/51	CNU/8/51	CNU/8/51	CNU/8/51	CNU/8/51
End bracket		-	-	-	-	-
Mounting rail according to IEC 60715 Std.		BTU for PR/DIN and PR/3 BT/DIN/PO for PR/DIN only BT/3-BTO for PR/3 only PR/DIN/AC of steel PR/DIN/AS same with slots PR/DIN/AL of aluminium PR/3/AC for PR/DIN and PR/3 PR/3/AS same with slots	BT005 BT001 BT003-BT007 PR001 PR004 PR002 PR003 PR005	BTU for PR/DIN and PR/3 BT/DIN/PO for PR/DIN only BT/3-BTO for PR/3 only PR/DIN/AC of steel PR/DIN/AS same with slots PR/DIN/AL of aluminium PR/3/AC for PR/DIN and PR/3 PR/3/AS same with slots	BT005 BT001 BT003-BT007 PR001 PR004 PR002 PR003 PR005	BTU for PR/DIN and PR/3 BT/DIN/PO for PR/DIN only BT/3-BTO for PR/3 only PR/DIN/AC of steel PR/DIN/AS same with slots PR/DIN/AL of aluminium PR/3/AC for PR/DIN and PR/3 PR/3/AS same with slots

Diode-holders






with UL94V-0 polyamide insulating body

- for 1 A diodes (1N4001 ÷ 1N4007 types)
- for 3 A diodes (BY 255 type)
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours





(**) hole suited for the sealing of the lever or for the insertion of a rod, in order to perform simultaneous opening of adjoining levers

The /GR tag indicates the grey colour version.

grey version	
beige version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section (mm ²)	
connecting capacity	
flexible (mm ²)	
rigid (mm ²)	
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage  /  (V)	
rated impulse withstand voltage / pollution degree	
insulation stripping length (mm)	
tightening torque value (test / max) (Nm)	
height / width / thickness  TH/35 7,5 mm	
height / width / thickness  TH/35 15 mm	
height / width / thickness  G32	

APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Miniature fuse	
Conducting element	
Cartridge / insert with 1A diode	
Cartridge / insert with 3A diode	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	 

(*) value referred to the insulation characteristics of the terminal block

SFR.4/GR	Cat. No. SF900GR
SFR.4	Cat. No. SF900
for 1 A or 3 A diodes	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V (*) / 1 (3) A / A4	
-	
6 KV (*) / 3	
11	
0,5 / 1,2	
52 / 52 / 8	
60 / 52 / 8	
56 / 52 / 8	

The SFR/11A or SFR/3A inserts are supplied as an accessory and are to be mounted in the lever of SFR.4 terminal block, in order to transform it in diode-holder

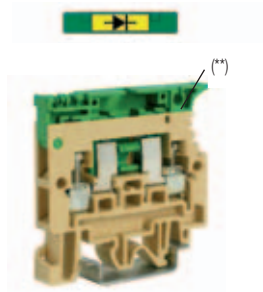
Approvals referring to standard version (see page 32)

Type	Cat. No.
SFR/PT/GR	SF701GR
SFR/PT	SF701
SFR/PT (Ex)i	SF801
-	
-	
-	
DFU/3	DU03..
-	
-	
-	
-	
SFR/11A (with 1 A diode)	SF992
SFR/13A (with 3 A diode)	SF993
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Diode-holders

with UL94V-0 polyamide insulating body

- with 1 A / 3 A diodes
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



(**) hole suited for the sealing of the lever or for the insertion of a rod, in order to perform simultaneous opening of adjoining levers

The terminal block is supplied with the following types of diodes mounted:
 - 1 A (1N4007 type) SFR.4/D1 A
 - 3 A (BY 255 type) SFR.4/D3 A

(*) value referred to the insulation characteristics of the terminal block

standard version	
TECHNICAL CHARACTERISTICS	
function / type	with 1 A or 3 A diodes
rated cross-section (mm ²)	4
connecting capacity	
flexible (mm ²)	0,2 ÷ 6
rigid (mm ²)	0,2 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 1 (3) A / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	-
rated impulse withstand voltage / pollution degree	6 kV (*) / 3
insulation stripping length (mm)	11
tightening torque value (test / max) (Nm)	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	52 / 52 / 8
height / width / thickness TH/35 15 mm	60 / 52 / 8
height / width / thickness G32	56 / 52 / 8

SFR.4/D1A	Cat. No. SF901
SFR.4/D3A	Cat. No. SF903

APPROVALS

Approvals referring to standard version (see page 32)

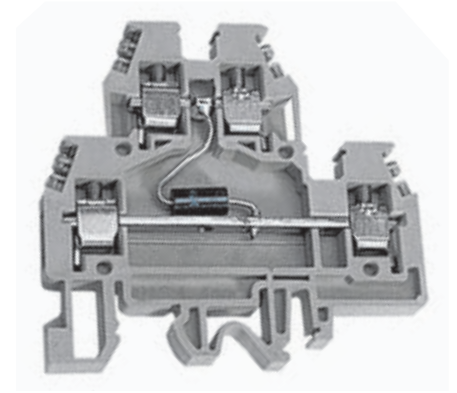
ACCESSORIES	
End sections	beige grey
Permanent cross connection	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Miniature fuse	
Conducting element	
Cartridge / insert with 1 A diode	
Cartridge / insert with 3 A diode	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
SFR.4/PT	SF701
SFR/PT/GR	SF701GR
-	
-	
-	
DFU/3	DU03..
-	
-	
F5	FN...
-	
SFR/11A (with 1 A diode)	SF992
SFR/13A (with 3 A diode)	SF993
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

With electronic components

with UL94V-0 polyamide insulating body

- with cross-connection possibility
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std.
- 2-level terminal block with bi-directional suppresser diode
- protection against overvoltage, transistor, pulse jamming
- class D protection according to standard DIN VDE 0675. 1989
- overvoltage category <1.5 KV, I (acc. to DIN VDE 0110.1)
- available in grey RAL 7042 and beige RAL 1001 colours



DAS 4/D... type terminal blocks, with suppresser diodes inserted as in **diagram 3**, restrict voltage peaks due to surges, electrostatic discharges and inductive load switching and enable the equipment to pass the tests on immunity to the electromagnetic interference defined by the EN 61000-4-2 (electrostatic discharge), EN 61000-4-4 (fast transient/burst) and EN 61000-4-5 (surge test) standards.

The suppresser diodes have a response time (< 1 ns) which is much lower than that of the varistors (approximately 25 ns) and a lower and more accurate response voltage, although compared to varistors they withstand lower discharge currents.

The high precision of the trip voltage and the high speed make them suitable for protecting I/O signal inputs of industrial PLC's, DCS's and PCs against discharge current and voltage interference below 500 A pulse 8/20 ms. This type of interference is usually caused by the normal operation of the actual systems due to switching of high inductive loads, dispersed currents, faults etc.

The range of models available provides a choice between rated voltages suitable for protecting signals with standard voltages of 5 V dc, 12 V dc, 24 V dc and 60 V dc.

The **DAS 4/D...**, connected as shown in **diagram 4**, provides effective protection against differential mode interference for inputs and outputs of industrial PLCs, DCSs and PCs, signal conditioners and sensors, and also for stabilised continuous voltage power supply units of electronic equipment in general.

The **DAS 4/D...**, does not have a signal wiring direction to observe and the positive and negative polarity connection can be carried out at both the upper and lower level.

Differential mode interference (diagram 5): generates a strong difference in potential between the two positive and negative signal conductors of the pair or power supply unit and, being applied directly to the input/output circuits of the equipment, always causes a fault in the same.

Differential mode interference (diagram 6): generates a strong difference in potential between the two conductors of a signal or power supply unit and the reference earth. It is less destructive than differential mode interference.

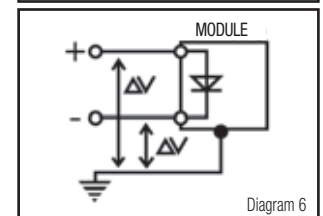
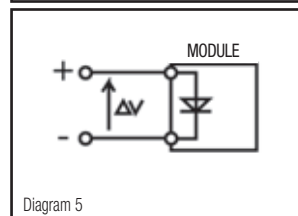
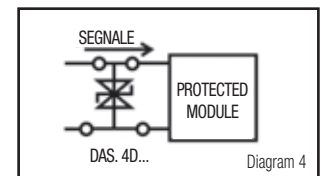
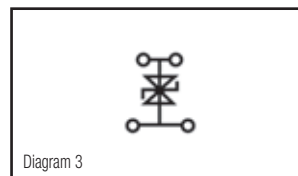
Caution: the installation of devices for protection against power surges with varistors, diodes and other components between signal and/or power supply conductors and the protection earth reduces the isolation voltage to approximately the value V of breakdown of the discharger used. To carry out isolation tests on the equipment disconnect the dischargers (standard CEI EN60950).

grey version	
beige version	
ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	red, blue or white
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

DAS.4/6/D.../GR	
DAS.4/6/D...	
Type	Cat. No.
DAS/PT/GR	DS101GR
DAS/PT	DS101
-	
PM/41/2 poles	PM412
PM/51/3 poles	PM513
PM/51/5 poles	PM515
PM/51/10 poles	PM510
POS/43	POS43
PMP/58	PMP58
CPM/01	CPM01
DFU/7	DU07..
-	
PSD/A	PD001
SDD/1	DD001
-	
-	
CNU/8/61	NU0861
-	
PRP/5	PRP05
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Note for wiring: wiring of the power surge protection devices greatly influences their actual efficacy and we recommend following the instructions below:

- the protection device must be placed as close as possible to the equipment to be protected;
- the connection wires must be as short and straight as possible, interwoven with each other and with the largest possible cross section;
- the earth conductors between common mode dischargers and the equipotential busbar must be as short as possible and with the largest possible cross section and their path must not be parallel to other conductors. The earth of the protected equipment must be connected to the same earth of its discharger and from there to the general protection earthing.



Differential mode interference. The potential difference is applied between positive and negative poles of the power supply signal.

Common mode interference. The potential difference is applied between the poles of the signal/power supply unit and the earth.

With electronic components

with UL94V-0 polyamide insulating body

- with cross-connection possibility on lower level
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- 2-level terminal block with bi-directional suppresser diode
- protection against overvoltage, transistor, pulse jamming
- class D protection according to standard DIN VDE 0675
- overvoltage category <1.5 KV, I (acc. to DIN VDE 0110.1)
- available in grey RAL 7042 and beige RAL 1001 colours



(*) values referred to the characteristics of the connection
The /GR tag indicates the grey colour version.

grey version	DAS.4/D.../GR
beige version	DAS.4/D...
TECHNICAL CHARACTERISTICS	
function / type	2 levels with suppresser diode
rated cross-section (mm ²)	4
connecting capacity	
flexible (mm ²)	0,2 ÷ 6
rigid (mm ²)	0,2 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	630 V / 32 A / A4 (*)
rated voltage / rated current / AWG / tightening torque value UL	-
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length (mm)	9
tightening torque value (test / max) (Nm)	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	62 / 64 / 6
height / width / thickness TH/35 15 mm	70 / 64 / 6
height / width / thickness G32	66 / 64 / 6

APPROVALS



Other approvals referring to DAS.4 standard version

TECHNICAL DATA	
Rated voltage	5
Vdc max. (Vcc)	6,45
Vac max.	-
Breakdown voltage (1 mA)	6,8 V ± 5%
Max clamping voltage (V)	11
Response time	< 1 ns
Isc pulse 8/20 µs (A)	750
C (1 kHz)	5 nF

DAS.4/D5/GR	Cat. No. DSD005GR
DAS.4/D5	Cat. No. DSD005

DAS.4/D12/GR	Cat. No. DSD012GR
DAS.4/D12	Cat. No. DSD012

TECHNICAL DATA	
Rated voltage	24
Vdc max. (Vcc)	28,5
Vac max.	-
Breakdown voltage (1 mA)	30 V ± 5%
Max clamping voltage (V)	41
Response time	< 1 ns
Isc pulse 8/20 µs (A)	160
C (1 kHz)	1,5 nF

DAS.4/D24/GR	Cat. No. DSD024GR
DAS.4/D24	Cat. No. DSD024

DAS.4/D60/GR	Cat. No. DSD060GR
DAS.4/D60	Cat. No. DSD060

With electronic components

with UL94V-0 polyamide insulating body

- for overlapped circuits with varistor
- cross-connection possibility on lower level
- protection against overvoltage, transistor, pulse jamming
- class D protection according to DIN VDE 0675
- overvoltage category <2.5 KV, II (acc. to DIN VDE 0110.1)
- available in grey RAL 7042 and beige RAL 1001 colours



DAS.4V... type terminal blocks with varistor inserted as in **diagram 1**, restrict voltage peaks due to surges, indirect atmospheric discharges and inductive load switching and enable the equipment to pass the tests on immunity to the electromagnetic interference defined by the standards EN 61000-4-2 (electrostatic discharge), EN 61000-4-4 (fast transient/burst) and EN 61000-4-5 (surge test).

The varistors have a response time (20-25 ns) which is longer than that of the suppresser diodes (< 1 ns) and a higher response voltage, although they withstand much higher discharge currents. The high discharge current makes them suitable for uses with strong transients, with currents up to 4500 A pulse 8/20 ms.

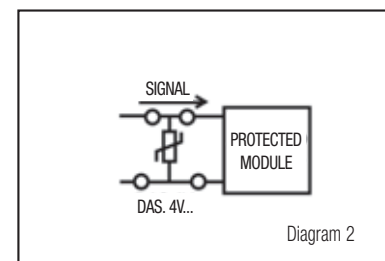
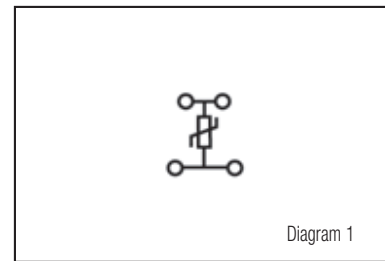
The range of models available provides a choice between rated voltages suitable for protecting both signals and power supply units with standard voltages of 24 V dc and 48 V dc or for power supply voltages of 120 V ac and 230 V ac.

The **DAS.4V...**, connected as shown in diagram 2, provides effective protection against differential mode interference for inputs and outputs of industrial PLC's, DCS's and PC's, signal conditioners and sensors, and also for power supply units of electronic equipment in general.

The **DAS.4V...** does not have a signal wiring direction to observe and the positive and negative polarity connection is carried out at both the upper and lower level.

The **/GR** tag indicates the grey colour version.

grey version	DAS.4/V.../GR
beige version	DAS.4/V...
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	2 levels with varistor
rated cross-section (mm ²)	4
connecting capacity	
flexible (mm ²)	0,2 ÷ 6
rigid (mm ²)	0,2 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	630 V / 32 A / A4 (*)
rated voltage / rated current / AWG / tightening torque value UL	-
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length (mm)	9
tightening torque value (test / max) (Nm)	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	62 / 64 / 6
height / width / thickness TH/35 15 mm	70 / 64 / 6
height / width / thickness G32	66 / 64 / 6



APPROVALS



Other approvals referring to DAS.4 standard version

TECHNICAL DATA	DAS.4/V24/GR	DAS.4/V48/GR	DAS.4/V120/GR	DAS.4/V230/GR
	Cat. No. DSV024GR	Cat. No. DSV048GR	Cat. No. DSV120GR	Cat. No. DSV230GR
	DAS.4/V24	DAS.4/V48	DAS.4/V120	DAS.4/V230
	Cat. No. DSV024	Cat. No. DSV048	Cat. No. DSV120	Cat. No. DSV230
Rated voltage	24	48	120	230
Vdc max. (Vcc)	31	85	180	350
Vac max.	25 Vac	60 Vac	140 Vac	275 Vac
Breakdown voltage (1 mA)	39 V ± 10%	100 V ± 10%	220 V ± 10%	430 V ± 10%
Max clamping voltage (V)	77 V	165 V	360 V	710 V
Response time	< 25 ns	< 25 ns	< 25 ns	< 25 ns
Isc pulse 8/20 μs (A)	500	2500	2500	2500
C (1 kHz)	4600 pF	1650 pF	610 pF	320 pF

With electronic components

with UL94V-0 polyamide insulating body

- for overlapped circuits
- possibility to perform cross-connections on both lower and upper levels (DAS.4/A and DAS. 4/B; other versions only on lower level)
- available in grey RAL 7042 and beige RAL 1001 colours



DAS.4/C terminal block

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage / (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	red, blue or white
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

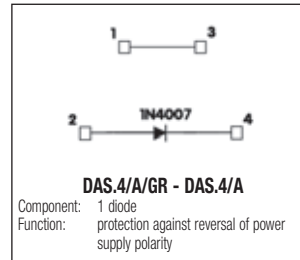
DAS.4/.../GR	
Cat. No.	DS...GR

DAS.4/...	
Cat. No.	DS...

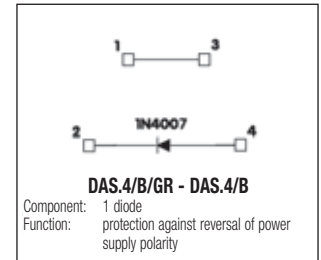
2-level component-holder	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
630 V (*) / - / A4	
-	
8 KV / 3	
9	
0,5 / 1,2	
62 / 64 / 6	
70 / 64 / 6	
66 / 64 / 6	

Approval referring to DAS.4 standard version

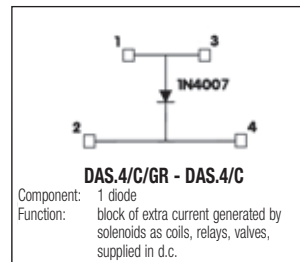
Type	Cat. No.
DAS/PT/GR	DS101GR
DAS/PT	DS101
-	
PM/41/2 poles	PM412
PM/51/3 poles	PM513
PM/51/5 poles	PM515
PM/51/10 poles	PM510
POS/43	POS43
PMP/58	PMP58
CPM/01	CPM01
DFU/7	DU07..
-	
PSD/A	PD001
SDD/1	DD001
-	
-	
-	
PRP/5	PRP05
CNU/8/61	NU0861
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005



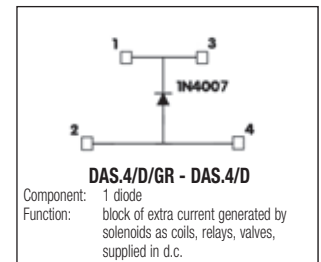
Cat. No. DS111GR - DS111



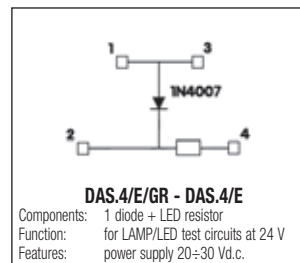
Cat. No. DS112GR - DS112



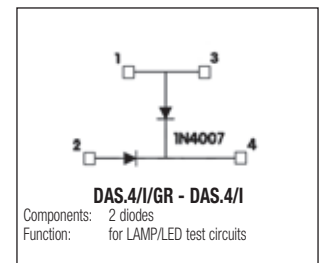
Cat. No. DS113GR - DS113



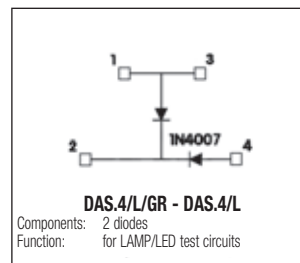
Cat. No. DS114GR - DS114



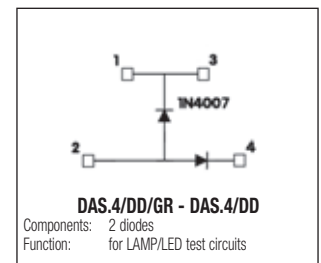
Cat. No. DS115GR - DS115



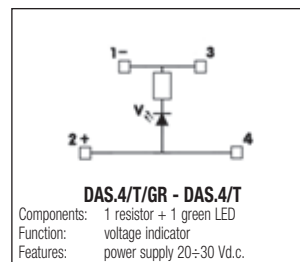
Cat. No. DS119GR - DS119



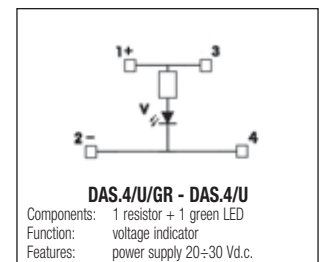
Cat. No. DS130GR - DS130



Cat. No. DS120GR - DS120



Cat. No. DS128GR - DS128



Cat. No. DS129GR - DS129

(*) The voltage and current ratings given for the various versions are based on the various type of components and to their connections.

With special connections

with UL94V-0 polyamide insulating body

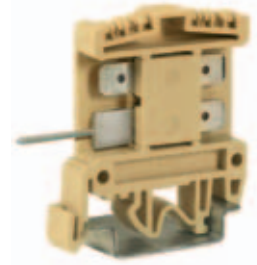
- with flat push-on tab connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in beige RAL 1001 colour



6.3 x 0.8 mm
flat push-on tab connections
acc. to standard IEC 60760



6.3 x 0.8 mm
flat push-on tab connections
acc. to standard IEC 60760



with 1.6 x 0.8 mm lug
for wrapped wire connections

AF0.2/2+2/TPM Cat. No. AF420
with 2,4 x 0.8 mm lug for wrapped
wire connections

beige version	AF0.2/1+1 Cat. No. AF500	AF0.2/2+2 Cat. No. AF400	AF0.2/2+2/TP Cat. No. AF410
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	feed-through with push-on tab connections - separate levels	feed-through with push-on tab connections	feed-through with push-on tab connections and lug
rated cross-section (mm ²)	2,5	2,5	2,5
connecting capacity			
flexible (mm ²)	up to 2,5	up to 2,5	up to 2,5
rigid (mm ²)	-	-	-
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V / 20 A / -	630 V / 20 A / -	320 V / 10 A / -
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage / (V)	300 V / 15 A / -	600 V / 15 A / -	-
rated impulse withstand voltage / pollution degree	4 KV / 3	6 KV / 3	4 KV / 3
insulation stripping length (mm)	-	-	-
tightening torque value (test / max) (Nm)	-	-	-
height / width / thickness TH/35 7,5 mm	49 / 44 / 6,5	49 / 44 / 6,5	49 / 59 / 6,5
height / width / thickness TH/35 15 mm	57 / 44 / 6,5	57 / 44 / 6,5	57 / 59 / 6,5
height / width / thickness G32	52 / 44 / 6,5	52 / 44 / 6,5	52 / 59 / 6,5

APPROVALS



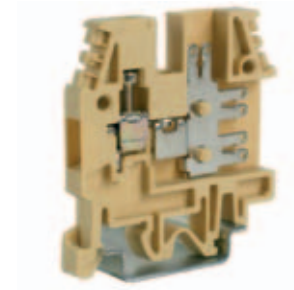
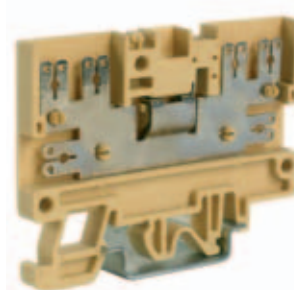
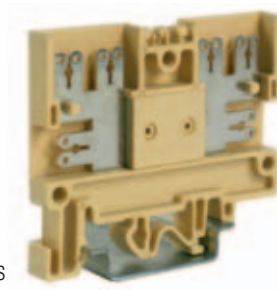
Approvals referring to terminal block type AF0.2/2+2

ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections grey beige blue	AFO/PT	AF201	AFO/PT	AF201	AFO/PT	AF201
Permanent cross connection	-		-		-	
Switchable cross connection	-		-		-	
Multiple common bar 250 mm	-		-		-	
Shunting screw and sleeve	-		-		-	
Coloured partition red, green, white	DFU/1	DU01..	DFU/1	DU01..	DFU/1	DU01..
Cross connection barrier red	-		-		-	
Test plug socket	-		-		-	
Test plug	-		-		-	
Numbering strip	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
Cover for cross-connection	-		-		-	
Warning plate	-		-		-	
Marking tag printed or blank	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
End bracket	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001
	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007
	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
	PR/3/AC for PR/DIN and PR/3	PR003	PR/3/AC for PR/DIN and PR/3	PR003	PR/3/AC for PR/DIN and PR/3	PR003
	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005
Mounting rail according to IEC 60715 Std.						

With special connections

with UL94V-0 polyamide insulating body

- with flat push-on tab connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours (where indicated)



Cross-connection possibility

6.3 x 0.8 mm, or 2.8 x 0.8 mm, flat push-on tab connections acc. to standard IEC 60760

6.3 x 0.8 mm, or 2.8 x 0.8 mm, flat push-on tab connections acc. to standard IEC 60760

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage / (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

PDF.2	
Cat. No.	PF100
(Ex)i version	
TECHNICAL CHARACTERISTICS	
feed-through with push-on tab connections	2,5
up to 2,5	-
630 V / 20 A / -	600 V / 16 A / 20-10 AWG
-	-
6 KV / 3	-
-	-
-	-
50 / 57 / 6,5	58 / 57 / 6,5
54 / 57 / 6,5	

FDP.2/GR	
Cat. No.	FD100GR
FDP.2	
Cat. No.	FD100
(Ex)i version	
TECHNICAL CHARACTERISTICS	
feed-through with push-on tab connections	2,5
up to 2,5	-
800 V / 20 A / -	600 V / 16 A / 20-10 AWG
-	-
8 KV / 3	-
-	-
-	-
49 / 65,5 / 6,5	57 / 65,5 / 6,5
53 / 65,5 / 6,5	

CVF.4/GR	
Cat. No.	CV100GR
CVF.4	
Cat. No.	CV100
CVF.4 (Ex)i	
Cat. No.	CV200
TECHNICAL CHARACTERISTICS	
feed-through, 1 screw + 3-push-on connections	4
0,2 ÷ 6	0,2 ÷ 6
4 - WP40/16	800 V / 20 A / A4
-	600 V / 20 A / 20-12 AWG / 4,4 lb.in
-	-
8 KV / 3	11
-	-
-	-
52 / 48,5 / 6	60 / 48,5 / 6
56 / 48,5 / 6	

APPROVALS



ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	
Warning plate	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
PDF/PT	PF101
-	
-	
-	
DFU/5	DU05..
-	
-	
CNU/8/51	NU0851
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

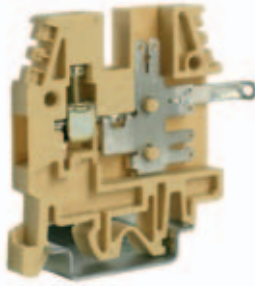
Type	Cat. No.
FDP/PT/GR	FD101GR
FDP/PT	FD101
PH/2,5-4	PH100
-	
-	
-	
DFU/5	DU05..
-	
-	
SDD/1	DD001
CNU/8/51	NU0851
-	
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
CVF/PT/GR	CV101GR
CVF/PT	CV101
CVF/PT (Ex)i	CV201
PM/58/3 poles	PM583
PM/58/5 poles	PM585
PM/58/10 poles	PM580
-	
PMP/58	PMP58
CPM/12	CPM12
DFU/3	DU03..
-	
PSD/A	PD001
SDD/1	DD001
CNU/8/61	NU0861
-	
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

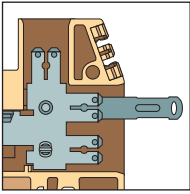
With special connections

with UL94V-0 polyamide insulating body

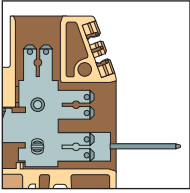
- with flat push-on tab connections
- with solder lug or wire-wrap lug
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types



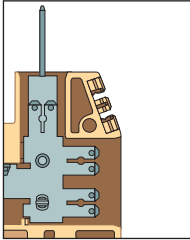
CVF.4/VS2 Cat. No. CV130
with two 4 x 0.8 mm solder lugs



CVF.4/VS
with 4 x 0.8 mm solder lug



CVF.4/WW
with 1.6 x 0.8 mm wire-wrap lug, horizontally mounted



CVF.4/TP
with 1.6 x 0.8 mm wire-wrap lug, vertically mounted

beige version	
TECHNICAL CHARACTERISTICS	
function / type	feed-through, 1 screw + spec. connections
rated cross-section (mm ²)	4
connecting capacity	
flexible (mm ²)	0,2 ÷ 6
rigid (mm ²)	0,2 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	250 V / 20 A / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	-
rated impulse withstand voltage / pollution degree	4 kV / 3
insulation stripping length (mm)	11
tightening torque value (test / max) (Nm)	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	52 (+19 per /TP) / 48,5 (68 per /WW - 58 per /VS) / 6
height / width / thickness TH/35 15 mm	60 (+19 per /TP) / 48,5 (68 per /WW - 58 per /VS) / 6
height / width / thickness G32	56 (+19 per /TP) / 48,5 (68 per /WW - 58 per /VS) / 6

CVF.4/VS	Cat. No.	CV110
CVF.4/WW	Cat. No.	CV120
CVF.4/TP	Cat. No.	CV140

APPROVALS

Approvals referring to terminal block type CVF.4

ACCESSORIES	
End sections	beige blue
Permanent cross connection (pre-assembled)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	
Warning plate	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
CVF/PT	CV101
-	
PM/40/2 poles	PM402
PM/58/3 poles	PM583
PM/58/5 poles	PM585
PM/58/10 poles	PM580
-	
PMP/58	PMP58
CPM/12	CPM12
DFU/3	DU03..
-	
PSD/A	PD001
SDD/1	DD001
CNU/8/61	NU0861
-	
CNU/8/61	NU0861
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

CF.12/1+1 multi-pole terminal board

with 6.3 x 0.8 mm flat push-on tab connections (2 for each pole)

- with beige or blue UL94V-0 polyamide insulating body

CF.12/1+1 (without end section) Cat. No.	CF100
CF.12/1+1 (Ex)i Cat. No.	CFX10
CF.12/CPT (with end section) Cat. No.	CF900
CF.12/CPT (Ex)i Cat. No.	CFX90

TECHNICAL CHARACTERISTICS

rated cross-section	2,5 mm ²
rated current (conf. to IEC 60947-7-1)	20 A
rated voltage (conf. to IEC 60947-7-1)	500 V
rated impulse withstand voltage / pollution degree	6 kV / 3

ACCESSORIES

Upper end section	of beige polyamide CF/PT
Upper end section	of blue polyamide CF/PT (Ex)i
Upper special end section	of polyamide CF/PTM
Insulating bushing	of beige polyamide CF/BI
M4 threaded tension rods	of zinc-plated steel CF/TR
Nut (bolt)	of polyamide CF/DD

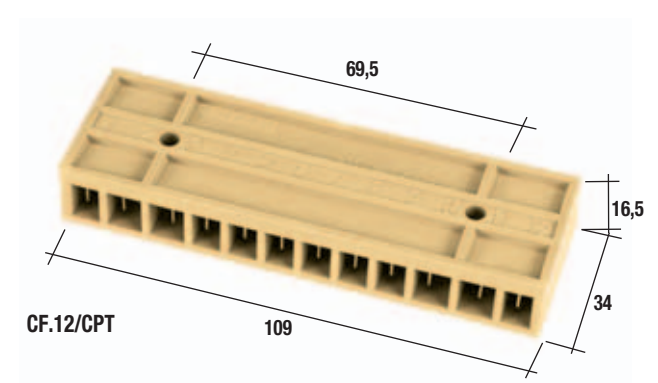
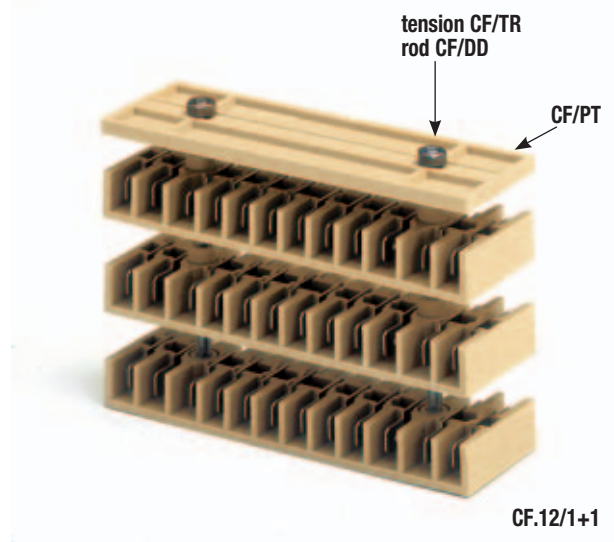
CF.12/1+1 terminal boards can be mounted independently or overlapped. In both cases the single terminal board or the one placed on top of the assembly shall be closed using a **CF/PT** end section (4 mm thickness). The fixing to the panel can take place by means of:

- screws of adequate length (**distance between the holes 69.5 mm**)
- **M4 threaded tension rods**

To ensure maximum insulation from earth and a correct mounting of the overlapped terminal boards it is necessary to insert special **CF/BI bushings** in the relevant holes on the insulating bodies. No bushings are required between the terminal board and the end section as this element is already appropriately shaped.

The above mentioned end section has an engraved numbering from 1 to 12 for an easy identification of the poles.

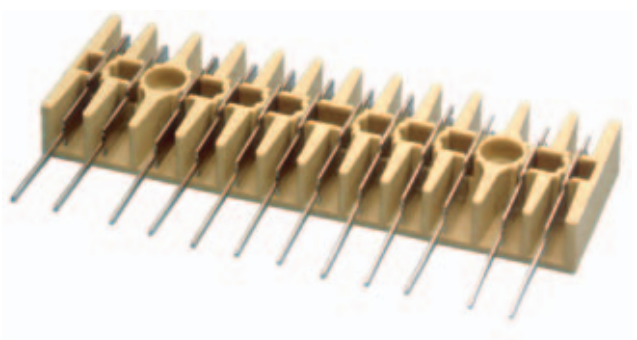
Push-on male connections, completely protected from the exterior and adequately insulated one from another with diaphragms, are made of copper-zinc alloy with high percentage of copper, and are provided with anti-oxidation nickel plating, or on request, silver coating (**CF.12/1+1/AG** Cat. No. CFA10).



CF/PTM (Cat. No. CF301)
Special end section to be mounted in grooving



CF.12/FW/CPT (Cat. No. CFW90)
Version equipped with flat push on tab connections on one side and wrapped wire on the other side
CF.12/FW/CPT (Ex)i (Cat. No. CFW99)



CF.12/1+1 multi-pole terminal board

con connessioni (2 x polo)
a spina piatta da 6,3 x 0,8 mm

- with beige or blue UL94V-0 polyamide insulating body



CF.12/2+2

Cat. No.

CF200

TECHNICAL CHARACTERISTICS

rated cross-section	2,5 mm ²
rated current (conf. to IEC 60947-7-1)	20 A
rated voltage (conf. to IEC 60947-7-1)	500 V
rated impulse withstand voltage / pollution degree	6 KV / 3

ACCESSORIES

Insulating bushing	of polyamide CF/BI
Reduced insulating bushing	of polyamide CF/BI
M4 threaded tension rods	of zinc-plated steel CF/TR
Nut (bolt)	of polyamide CF/DD

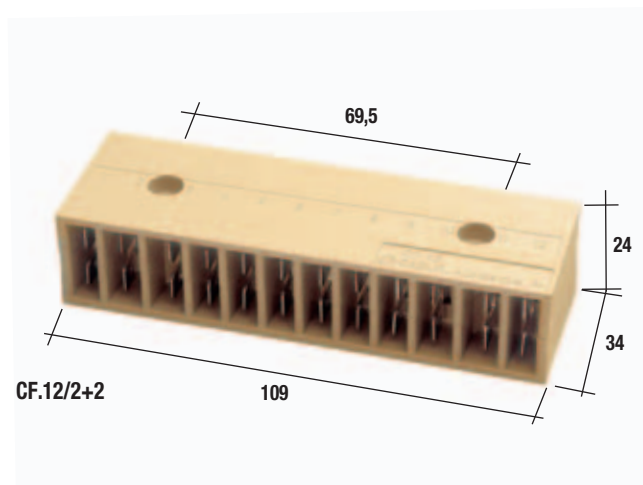
CF.12/2+2 terminal boards can be mounted independently or overlapped. The fixing to the panel can take place by means of:

- screws of adequate length (**distance between the holes 69.5 mm**)
- M4 **threaded tension rods**

To ensure maximum insulation from earth and a correct mounting of the overlapped terminal boards it is necessary to insert special **CF/BI bushings** in the relevant holes on the insulating bodies. To allow a better tightening of the small **CF/DD nuts**, when using threaded tension rods, it is necessary to introduce in the holes of the upper terminal board the reduced **CF/BI bushings**. **CF.12/2+2** terminal boards have engraved numbering from 1 to 12 for an easy identification of the poles.

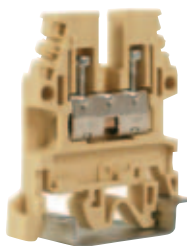
Push-on male connections, completely protected from the exterior and adequately insulated one from another with diaphragms, are made of copper-zinc alloy with high percentage of copper, and are provided with anti-oxidation nickel, or on request, silver coating (CF.12/2+2/AG Cat. No. CFA20).

Note: a version provided with eight 6.3 x 0.8 mm flat push-on tab connectors is available. **CF.08/2+2** Cat. No. **CF400**



With special connections

with UL94V-0 polyamide insulating body



- for thermocouple circuits
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- **CESI 02 ATEX 134 U** Ex e certificate
I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the indications given on page A14

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage /	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

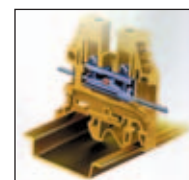
APPROVALS

TC/PO	Cat. No.	TC500
TC/PO (Ex)i	Cat. No.	TC510
for thermocouple circuits		
-		
thermocouples having 0,8 ÷ 1,3 mm diam.		
800 V / - / -		
600 V / 15 A / 20-14 AWG / 5,5 lb.in.		
500 V / 630 V		
8 KV / 3		
20		
0,4 / 0,8		
47 / 40,5 / 5,5		
55 / 40,5 / 5,5		
51 / 40,5 / 5,5		



ACCESSORIES	
End sections	beige blue
Permanent cross connection	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	
Warning plate	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
CB2/PT	CB111
CB2/PT (Ex)i	CBX13
-	
-	
DFU/1	DU01..
-	
-	
CNU/8/51	NU0851
-	
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005



Terminal block suitable for the connection of any type of conductor for thermocouple circuits. In fact, due to the excellent electrical contact which results, **thermocouple circuits of any type can be wired up without the intervention of any other compensation material.**

Such a solution allows, in addition to the running of one single item, the reduction of points of contact in the complete circuit.

In order to make the connection completely efficient and permanent the range of diameters of the connectable thermocouples must be within the 0.8 and 1.3 mm range.

The thermocouple circuits, even those with different diameters, stripped of their insulating protection for a length of 20 mm. are overlapped in the inside of the terminal block in such a way as to allow the direct flow of thermoelectrical e.m.f. without the intermediary of a metal body, as happens in normal circuits.

With the double clamping, assured by two screws and by the interposition of the pressure plate, the possibility of e.m.f. caused by lack of homogeneity of the contacts is reduced to more or less nothing.

With special connections

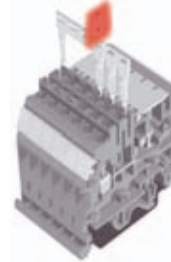
with UL94V-0 polyamide insulating body

- for 5.08 mm pitch female connectors
- double possibility of PTC – easy bridge multi-pole connection
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- available in grey RAL 7042 and beige RAL 1001 colours

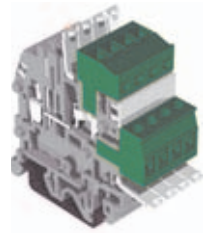


PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
320	320		320	320	320

Detail with PTC jumpers and barriers



Detail with 5.08 mm female connectors and lug protection covers in up position



(*) current on the PCB connector pin

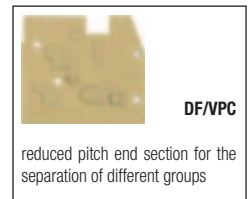
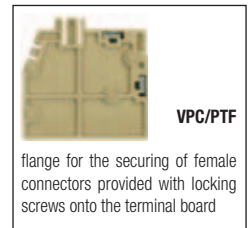
The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage / (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

VPC.2/GR	
Cat. No.	VP300GR
VPC.2	
Cat. No.	VP300
VPC.2 (Ex)i	
Cat. No.	VP310
1 screw connection and 2 pins for female connectors	2,5
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
320 V / 24-12 (*) A / A3	
600 V / 20 ÷ 14 AWG / 15 A / 5,5 lb.in.	
-	
4 kV / 3	
9 (screw connection)	
0,4 / 0,8 (screw connection)	
51 / 44 / 5,08	
59 / 44 / 5,08	
55 / 44 / 5,08	

Female connectors, 90° - 5,08 mm pitch and with a number of poles from 2 to 16, are available. The connector can be easily inserted until it reaches its blocking position, guaranteeing optimum connection onto the male contact. In such a position the connector it is hooked onto the insulating body of the terminal block by means of a tooth, of which it is equipped.

- | | |
|---------------------------|-----------------------|
| VPC/F02 - 2 poles | Cat. No. VP902 |
| VPC/F03 - 3 poles | Cat. No. VP903 |
| VPC/F04 - 4 poles | Cat. No. VP904 |
| VPC/F05 - 5 poles | Cat. No. VP905 |
| VPC/F06 - 6 poles | Cat. No. VP906 |
| VPC/F07 - 7 poles | Cat. No. VP907 |
| VPC/F08 - 8 poles | Cat. No. VP908 |
| VPC/F09 - 9 poles | Cat. No. VP909 |
| VPC/F10 - 10 poles | Cat. No. VP910 |
| VPC/F11 - 11 poles | Cat. No. VP911 |
| VPC/F12 - 12 poles | Cat. No. VP912 |
| VPC/F13 - 13 poles | Cat. No. VP913 |
| VPC/F14 - 14 poles | Cat. No. VP914 |
| VPC/F15 - 15 poles | Cat. No. VP915 |
| VPC/F16 - 16 poles | Cat. No. VP916 |



APPROVALS



ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Diaframma separatore ponti	
Shunting screw and sleeve	
Coloured partition	red, green, white
Hollow partition	grey beige
Test plug socket	
Test plug	
Numbering strip	
Cover for cable lugs	
Flangia	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
VPC/PT/GR	VP101GR
VPC/PT	VP101
VPC/PT (Ex)i	VP201
PTC/2/02 poles	PTC0202
PTC/2/03 poles	PTC0203
PTC/2/05 poles	PTC0205
PTC/2/10 poles	PTC0210
PTC/2/00 (50 poles)	PTC0200
PTC/SP	PTC0990
-	
DFM/300	DF300
-	
DFU/5	DU05
DF/VPC/GR	DU02SGR
DF/VPC	DU02S
-	
CNU/8/51	NU0851
VPC/VT	VP102
VPC/PTF	VP303
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BT0 for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

For the fixing of the conductor in an even more secure way, it is possible to use connectors provided with locking screws, located on the sides of the connector itself. In this case it is necessary to insert on to both sides of the assembled VPC.2 terminal blocks a **VPC/PTF** (Cat. No. VP103) flange. In the case that an assembly composed in such a way has a flange with external connecting pins, it is necessary to add a **VPC/PT** (Cat. No. VP101) end section, or to remove the external pins with a cutter. For safety reasons, the connectors must not be handled under load. The use of **DF/VPC** (Cat. No. DU015) barrier, for the physical separation of the different groups of terminal blocks, does not avoid the possibility to perform cross-connections.

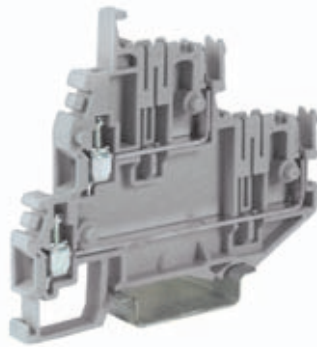
The terminal block is available also in the version equipped with signal circuit (VPC.2/L024). In this case a common return of a LED (red colour - 24 V), must be inserted in the appropriate housing on the side of the group of adjoining terminal blocks and connected by means of a feeding terminal block - VPC.2(Ex)i/D (Cat. No. VPC200). The **VPC.2(Ex)i/D** feeding terminal block is a version of terminal block type VPC.2(Ex)i, equipped with a type 1N4007 diode.

A transparent cover in order to prevent accidental contacts on the pins is supplied as an accessory (**VPC/VT** - Cat. No. VP102) in 10-pole bars; it can be easily separated into the desired number of poles. The cover is inserted by clip fixing in the appropriate housing provided in the insulating body of the terminal block; the insertion point acts as a fulcrum for the rotation of the protection itself from the closed position (guaranteed by a clip) to the open position (for the insertion of the connector). It is manufactured in transparent material in order to ensure visibility of both the type of connection (in closed position) and the LED, in opened position, once the connector is inserted.

With special connections

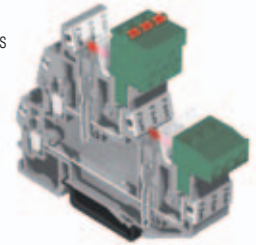
with UL94V-0 polyamide insulating body

- for 5.08 mm pitch female connectors – two levels
- universal mounting onto PR/3 type rails - according to IEC 60715 Std., "TH/35" type
- double possibility of PTC – "Easy Bridge" multi-pole cross connection, on each level
- available in grey RAL 7042 and beige RAL 1001 colours



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
320	320		320	320	320

Detail with 5.08 mm female connectors inserted on the two levels, the lug protection covers raised and the PTCs inserted on the two levels.



(*) current on the PCB connector pin
The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

VPD.2/GR	
VPD.2	
VPD.2 (Ex)i	
Cat. No.	VP500GR
Cat. No.	VP500
Cat. No.	VP560
2 level feed-through with 2 screw connections and 2 pins for connectors	2,5
0,2 ÷ 4	
0,2 ÷ 4	
-	
320 V / 24-12 (*) A / A3	
300 V / 15 A / 26-12 AWG / 3,5 lb.in.	
-	
4 kV / 3	
9	
0,4 / 0,8 (screw connection)	
64 / 74 / 5,08	
72 / 74 / 5,08	
- / - / -	

Female connectors, 90° - 5,08 mm pitch and with a number of poles from 2 to 16, are available. The connector can be easily inserted until it reaches its blocking position, guaranteeing optimum connection onto the male contact. In such a position the connector it is hooked onto the insulating body of the terminal block by means of a tooth, of which it is equipped.

VPC/F02 -2 poles	Cat. No. VP902
VPC/F03 -3 poles	Cat. No. VP903
VPC/F04 -4 poles	Cat. No. VP904
VPC/F05 -5 poles	Cat. No. VP905
VPC/F06 -6 poles	Cat. No. VP906
VPC/F07 -7 poles	Cat. No. VP907
VPC/F08 -8 poles	Cat. No. VP908
VPC/F09 -9 poles	Cat. No. VP909
VPC/F10 -10 poles	Cat. No. VP910
VPC/F11 -11 poles	Cat. No. VP911
VPC/F12 -12 poles	Cat. No. VP912
VPC/F13 -13 poles	Cat. No. VP913
VPC/F14 -14 poles	Cat. No. VP914
VPC/F15 -15 poles	Cat. No. VP915
VPC/F16 -16 poles	Cat. No. VP916

APPROVALS



KEMA-KEUR pending

ACCESSORIES

End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	
Test plug socket	
Test plug	
Numbering strip	
Cover for cable lugs	
Flange	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
VPD/PT/GR	VP501GR
VPD/PT	VP501
VPD/PT (Ex)i	VP561
PTC/2/02 poles	PTC0202
PTC/2/03 poles	PTC0203
PTC/2/05 poles	PTC0205
PTC/2/10 poles	PTC0210
PTC/2/00 (50 poles)	PTC0200
PTC/SP	PTC0990
-	
-	
-	
DFU/7	DU07
DFM/300	DF300
-	
-	
CNU/8/51	NU0851
VPD/VT	VP502
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

MAC Series

with UL94V-0 polyamide insulating body

- to be used with modular CAM connectors
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in beige RAL 1001 colour



Version available with 2.8 x 0.8 mm solder lug
MAC.6/VS Cat. No. MA500



Our F5 type Ø 5 x 20 mm - 250 V fuse (supplied separately) **without** pilot LED



Version without disconnect lever suitable for the permanent use with CAM modular connector

(*) Values referred to the characteristics of the insulating body

beige version	MAC.6	MAC.6/FS	MAC.6/N
(Ex)i version	Cat. No. MA100	Cat. No. MA410	Cat. No. MA200
TECHNICAL CHARACTERISTICS			
function / type	disconnect lever	for Ø 5 x 20 mm fuse	without disconnect lever for the use with CAM connector
rated cross-section (mm ²)	6	6	6
connecting capacity			
flexible (mm ²)	0,2 ÷ 10	0,2 ÷ 10	0,2 ÷ 10
rigid (mm ²)	0,2 ÷ 10	0,2 ÷ 10	0,2 ÷ 10
max. flexible with ferrule (mm ²)-ferrule type	6 - WP60/20	6 - WP60/20	6 - WP60/20
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 16 A / A5	800 V (*) / 6,3 A / A5	800 V (*) / 16 A / A5
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	600 V (*) / 16 A / 20-10 AWG / 13,3 lb.in	600 V / 8 A / 20-10 AWG / 13,3 lb.in	600 V (*) / 16 A / 20-10 AWG / 13,3 lb.in
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	14	14	14
tightening torque value (test / max) (Nm)	1,2 / 1,9	1,2 / 1,9	1,2 / 1,9
height / width / thickness TH/35 7,5 mm	65 / 83 / 8	72 / 83 / 8	63 / 77 / 8
height / width / thickness TH/35 15 mm	73 / 83 / 8	80 / 83 / 8	71 / 77 / 8
height / width / thickness G32	69 / 83 / 8	76 / 83 / 8	67 / 77 / 8

APPROVALS



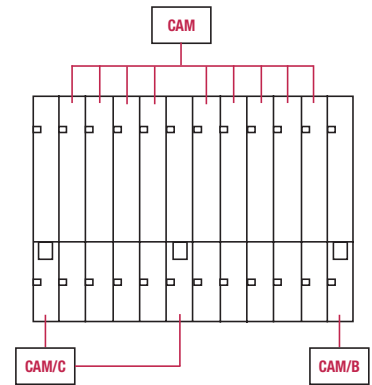
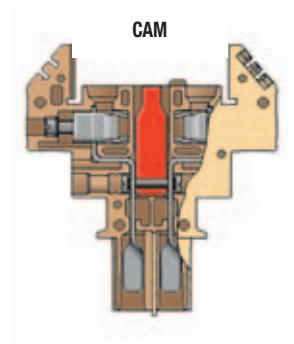
Other approvals referred to MAC.6 standard version

ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey	-	-	-	-	-
	beige	-	-	-	-	-
	blue	-	-	-	-	-
Permanent cross connection (pre-assembled)	PIL/2 poles	PIL02	PIL/2 poles	PIL02	PIL/2 poles	PIL02
	PIL/3 poles	PIL03	PIL/3 poles	PIL03	PIL/3 poles	PIL03
	PIL/4 poles	PIL04	PIL/4 poles	PIL04	PIL/4 poles	PIL04
	PIL/8 poles	PIL08	PIL/8 poles	PIL08	PIL/8 poles	PIL08
Switchable cross connection	-	-	-	-	-	-
Multiple common bar	250 mm	-	-	-	-	-
Shunting screw and sleeve	-	-	-	-	-	-
Coloured partition	red, green, white	-	-	-	-	-
Test plug socket	-	-	-	-	-	-
Test plug	SDD/1	DD001	SDD/1	DD001	SDD/1	DD001
Pitching strip	MAC/SPS	MA020	MAC/SPS	MA020	MAC/SPS	MA020
Ø 5 x 20 mm fuse	-	-	F5	FN...	-	-
Marking tag	printed or blank	-	CNU/8/51	NU0851	CNU/8/51	NU0851
End bracket	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	BT/3-BT0 for PR/3 only	BT003-BT007	BT/3-BT0 for PR/3 only	BT003-BT007	BT/3-BT0 for PR/3 only	BT003-BT007
	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001
	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003
	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005

CAM shunting elements

with polyamide insulating body

- used with MAC terminal blocks



example of the derivation connector composition

standard version	
version with lock	
version with lock and pins	
TECHNICAL CHARACTERISTICS	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

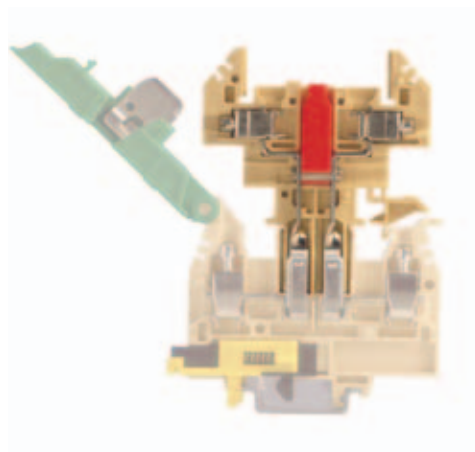
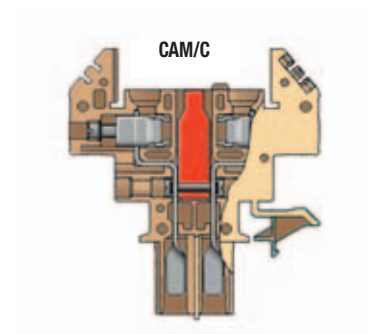
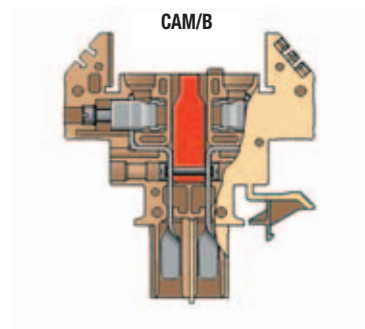
CAM	Cat. No.	MA110
CAM/B	Cat. No.	MA111
CAM/C	Cat. No.	MA112
2,5		
0,2 ÷ 6		
0,2 ÷ 6		
4 - WP40/16		
800 V / 24 A / A3		
600 V / 16 A / 20-10 AWG / 8,9 lb.in		
8 KV / 3		
12		
-		
-		
-		
-		
-		

APPROVALS

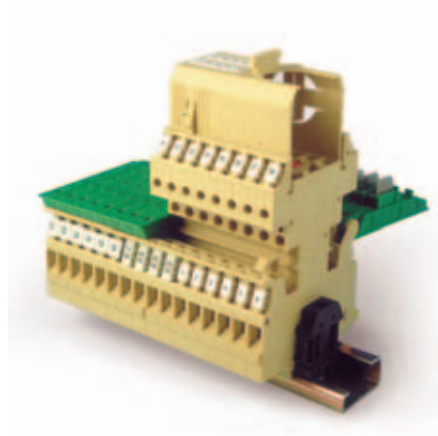


ACCESSORIES	
Shunting connection	beige
Pole lock	
Safety cover	

Type	Cat. No.
MAC/COS	MA030
MAC/PLZ	MA010
MAC/CP8	MA040



CAM insertion



CAM connector inserted into MAC composed terminal block

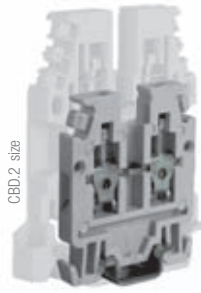
NOTE:

the use of CAM/C type could be necessary only in the case the connector is composed by more than 8 elements

Mini terminal blocks

with UL94V-0 polyamide insulating body

- mounting onto PR/2 type rails - TH/15 type
- available in standard (grey RAL 7042 colour) or (Ex) i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- **RP.4** and **RN.2**: **CESI 03 ATEX 073 U** Ex e certificate I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- when rail assemblies are to be manufactured for potentially explosive environments, please refer to the instructions given on page A14



The **/GR** tag indicates the grey colour version.

grey version	RN.1/GR Cat. No. RN300GR	RN.2/GR Cat. No. RN500GR	RP.4/GR Cat. No. RP300GR			
(Ex)i version	RN.1 (Ex)i Cat. No. RN400	RN.2 (Ex)i Cat. No. RN510	RP.4 (Ex)i Cat. No. RP400			
TECHNICAL CHARACTERISTICS						
function / type	feed-through	feed-through	feed-through			
rated cross-section (mm ²)	1,5	2,5	4			
connecting capacity						
flexible (mm ²)	0,2 ÷ 2,5	0,2 ÷ 4	0,2 ÷ 6			
rigid (mm ²)	0,2 ÷ 2,5	0,2 ÷ 4	0,2 ÷ 6			
max. flexible with ferrule (mm ²)-ferrule type	1,5 - WP15/14	2,5 - WP25/14	4 - WP40/16			
rated voltage / rated current / gauge conf. to IEC 60947-7-1	500 V / 17,5 A / A1	400 V / 24 A / A3	630 V / 32 A / A4			
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	600 V / 15 A / 26-14 AWG / 4,5 lb.in	300 V / 20 A / 20 ÷ 12 AWG / 3,5 lb.in	600 V / 30 A / 20-10 AWG / 4,4 lb.in			
rated impulse withstand voltage / pollution degree	6 KV / 3	250 V	250 V			
insulation stripping length (mm)	8	6 KV / 3	6 KV / 3			
tightening torque value (test / max) (Nm)	0,4 / 0,8	8	9			
height / width / thickness	32 / 27 / 4,2	0,4 / 0,8	0,5 / 1,2			
		32 / 27 / 5	35 / 31 / 6			
	IEC Ex pending	IEC Ex pending	IEC Ex pending			
APPROVALS						
ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	RFN/PT/GR	RF101GR	RFN/PT/GR	RF101GR	RP4/PT/GR	RP301GR
	RFN/PT (Ex)i	RF201	RFN/PT (Ex)i	RF201	RP4/PT (Ex)i	RP401
Permanent cross connection	PM/11/2 poles	PM112	PM/12/2 poles	PM122	PM/41/2 poles	PM412
	PM/11/3 poles	PM113	PM/12/3 poles	PM123	PM/51/3 poles	PM513
	PM/11/5 poles	PM115	PM/12/5 poles	PM125	PM/51/5 poles	PM515
	PM/11/10 poles	PM110	PM/12/10 poles	PM120	PM/51/10 poles	PM510
Switchable cross connection	-	-	-	-	-	-
Multiple common bar	PMP/16	PMP16	PMP/25	PMP25	PMP/58	PMP58
Shunting screw and sleeve (same, Ex e version)	CPM/16	CPM16	CPM/16 (CPX/16)	CPM16 (CPX16)	CPM/01 (CPX/01)	CPM01 (CPX01)
Coloured partition	DFF/2	DFF2..	DFF/2	DFF2..	DFF/2	DFF2..
Test plug socket	PSD/K	PDO11	PSD/A	PDO01	PSD/A	PDO01
Test plug	SDD/1	DD001	SDD/1	DD001	SDD/1	DD001
Numbering strip	CNU/8/61	NU0861	CNU/8/51	NU0851	CNU/8/61	NU0861
Warning plate	TQM/02	TQM02	-	-	-	-
	PRP/5	PRP05	PRP/5	PRP05	PRP/5	PRP05
Cover for cross-connection	-	-	CNU/8/51	NU0851	CNU/8/51	NU0851
Marking tag	BT/2	BT006	-	-	CSC	CS...
	-	-	BT/2	BT006	BT/2	BT006
	-	-	-	-	-	-
	-	-	-	-	-	-
Mounting rail according to IEC 60715 Std.	PR/2/AC of steel	PR009	PR/2/AC of steel	PR009	PR/2/AC of steel	PR009
	PR/2/AS same with slots	PR010	PR/2/AS same with slots	PR010	PR/2/AS same with slots	PR010

Mini terminal blocks

with **UL94V-0 polyamide insulating body**

- mounting onto PR/2 type rails – TH/15 type
- **TR.2** and **TR.4:**
CESI 03 ATEX 022 U Ex e certificate
I M2 / II 2 G D operating temperature range:
–40 ÷ +80 °C
- available in grey RAL 7042 colour

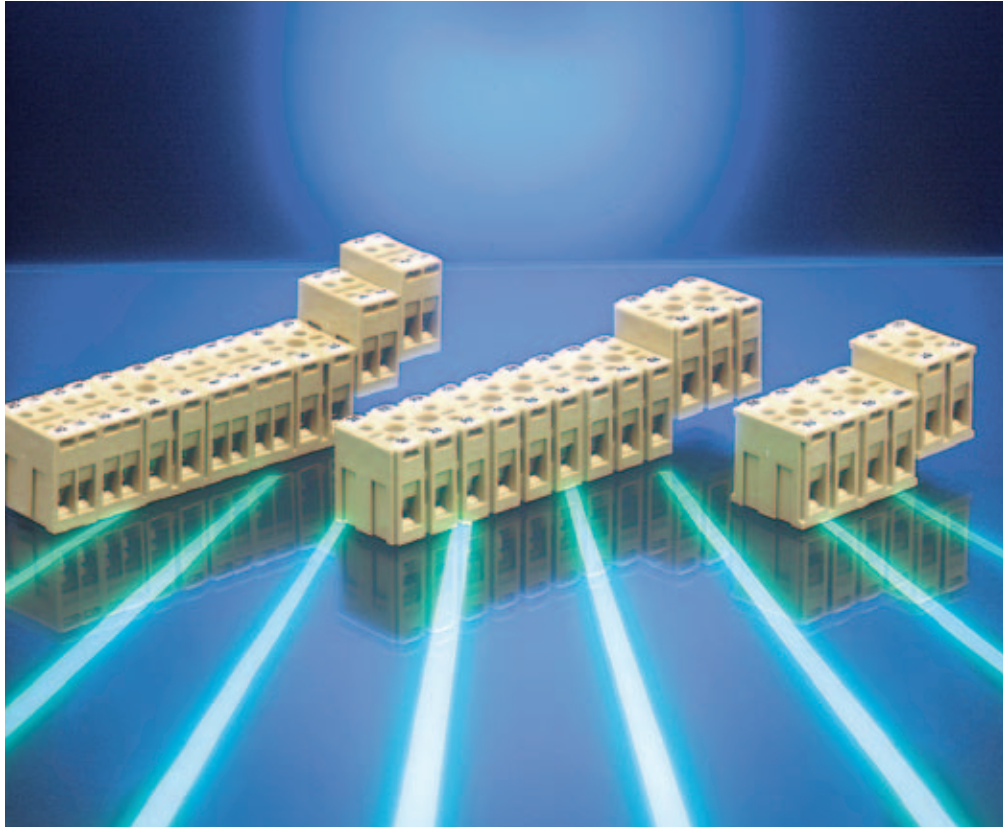


Two 6.3 x 0.8 mm or four 2.8 x 0.8 mm flat push-on tab connections according to Std. IEC 60760 Std.

The **/GR** tag indicates the grey colour version.

grey version	RF1.2/GR	TR.2	TR.4
(Ex)i version	Cat. No. RF110GR	Cat. No. TR110	Cat. No. TR200
TECHNICAL CHARACTERISTICS			
function / type	feed-through for push-on tab connections	earth	earth
rated cross-section (mm ²)	2,5	2,5	4
connecting capacity			
flexible (mm ²)	sino a 2,5	0,2 ÷ 4	0,2 ÷ 6
rigid (mm ²)	-	0,2 ÷ 4	0,2 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	-	2,5 - WP25/14	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V / 20 A / -	- / - / A3	- / - / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	600 V / 20 A / 12 AWG max	- / - / 20-12 AWG / 3,5 lb.in	- / - / 20-10 AWG / 5,5 lb.in
rated impulse withstand voltage / pollution degree	- / -	- / -	- / -
insulation stripping length (mm)	6 KV / 3	6 KV / 3	6 KV / 3
tightening torque value (test / max) (Nm)	-	8	9
height / width / thickness	- / -	0,4 / 0,8	0,5 / 1,2
	32 / 28 / 6	32 / 27 / 5	35 / 35 / 7,3
	IEC Ex pending	IEC Ex pending	IEC Ex pending
APPROVALS	Type	Type	Type
ACCESSORIES	Cat. No.	Cat. No.	Cat. No.
End sections	RFN/PT/GR	TR.2/PT	-
Permanent cross connection	-	-	-
Switchable cross connection	POF/17	-	-
Multiple common bar	-	-	-
Shunting screw and sleeve	PMP/17	-	-
Coloured partition	CPM/17	-	-
Test plug socket	DFF/2	DFF/2	DFF/2
Test plug	PSD/K	-	-
Numbering strip	SDD/1	-	-
Warning plate	CNU/8/61	CNU/8/51	-
Marking tag	-	-	-
End bracket	CNU/8/61	CNU/8/51	CNU/8/51
Mounting rail	CSC	-	CSC
according to IEC 60715 Std.	BT/2	BT/2	BT/2
	-	-	-
	-	-	-
	PR/2/AC of steel	PR/2/AC of steel	PR/2/AC of steel
	PR/2/AS same with slots	PR/2/AS same with slots	PR/2/AS same with slots
	PR009	PR009	PR009
	PR010	PR010	PR010

Modular multi-pole terminal blocks



The two way **BPL.4**, **BPL/R** and three way **TPL.4** terminal blocks can be mounted separately or used to compose terminal boards with unlimited number of poles and no mounting rails are required.

The special “dovetail” coupling system guarantees the maximum compactness of the assembly and only two screws, to be inserted at the ends of the terminal board, are required for the fixing onto the panel.

BPL.4, BPL/R and TPL.4 terminal blocks are suited for the marking using type NU0550 tags.

Modular multi-pole terminal blocks

with UL94V-0 polyamide insulating body



- UL94V-0
- **CESI 03 ATEX 164 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C
- panel mount by means of screws

beige version	BPL.4 Cat. No. BP100	TPL.4 Cat. No. TP100	BPL/R Cat. No. BP200
TECHNICAL CHARACTERISTICS			
function / type	two-pole	three-pole	two-pole reduced pitch
rated cross-section (mm ²)	4	4	4
connecting capacity			
flexible (mm ²)	0,5 ÷ 6	0,5 ÷ 6	0,5 ÷ 6
rigid (mm ²)	0,5 ÷ 6	0,5 ÷ 6	0,5 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	4 - WP40/16	4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	500 V / 32 A / A4	500 V / 32 A / A4	500 V / 32 A / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage / (V)	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in. 250 V	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in. 250 V	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in. 250 V
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3	6 KV / 3
insulation stripping length (mm)	12	12	12
tightening torque value (test / max) (Nm)	0,5 / 0,7	0,5 / 0,7	0,5 / 0,7
fixing screw (*) (Ø)	M3 (Ø head 5.6 mm max)	M3 (Ø head 5.6 mm max)	-
height / width / thickness	26 / 24 / 20	26 / 30 / 20	26 / 24 / 13
APPROVALS			

Normal compositions		
No of poles	BPL.4 and TPL.4 configurations	Total length mm
2	B	20
3	T	30
4	B+B	40
5	B+T	50
6	T+T	60
7	B+T+B	70
8	T+B+T	80
9	T+T+T	90
10	T+B+B+T	100
12	T+T+T+T	120
14	T+T+B+T+T	140
15	T+T+T+T+T	150
16	T+T+B+B+T+T	160
18	T+T+T+T+T+T	180
20	T+T+T+B+T+T+T	200

(*) NOTE:
when using BPL.4 and TPL.4 terminal blocks in Ex e classified installations, the use of the insulated fixing screw is required.

Modular multi-pole terminal blocks

with UL94V-0 polyamide insulating bod



- UL94V-0
- panel mount by means of screws
- /PS versions, with poles including one screw connection and one feed-through lug with push-on connection (2.3 x 0.8 mm), which may also be used for soldering

(*): with bearing plate thickness = 1 mm

beige version	BPL.4/PS Cat. No. BP300	TPL.4/PS Cat. No. TP200
TECHNICAL CHARACTERISTICS		
function / type	version with special connections	version with special connections
rated cross-section (mm ²)	4	4
connecting capacity		
flexible (mm ²)	0,5 ÷ 6	0,5 ÷ 6
rigid (mm ²)	0,5 ÷ 6	0,5 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	500 V (*) / 32 A / A4	500 V (*) / 32 A / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in.	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in.
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3
insulation stripping length (mm)	12	12
tightening torque value (test / max) (Nm)	0,5 / 0,7	0,5 / 0,7
fixing screw (*) (Ø)	M3 (Ø head 5.6 mm max)	M3 (Ø head 5.6 mm max)
height / width / thickness TH/15	36 / 24 / 20	36 / 24 / 20

APPROVALS



Normal compositions

No of poles	BPL.4 and TPL.4 configurations	Total length mm
6	B+R+B	53
8	B+R+R+B	66
10	B+R+R+R+B	79
12	B+R+R+R+R+B	92
14	B+R+R+R+R+R+B	105
16	B+R+R+R+R+R+R+B	118
18	B+R+R+R+R+R+R+R+B	131
20	B+R+R+R+R+R+R+R+R+B	144

PS versions, equipped with solder connections are also available in the following configurations:

BPL.4/PS (Cat. No. BP300) - TPL.4/PS (Cat. No. TP200)
equipped with screw connections on the opposite side from the solder connections

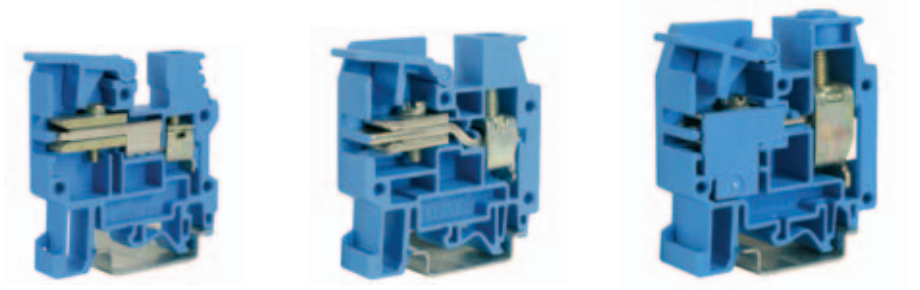
BPL.4/PS/A (Cat. No. BP310) - TPL.4/PS/A (Cat. No. TP210)
equipped with screw connections on the same side as the solder connections

BPL.4/PS/B (Cat. No. BP320) - TPL.4/PS/B (Cat. No. TP220)
equipped with 2 (3) solder lugs and 4 (6) connections.

CNT Series

Neutral disconnect terminal blocks

- UL94V-0
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in blue RAL 5015 colour



(Ex)i version	CNT.6	CNT.16	CNT.35
	Cat. No. CNT06	Cat. No. CNT16	Cat. No. CNT35
TECHNICAL CHARACTERISTICS			
function / type	neutral disconnect terminal block	neutral disconnect terminal block	neutral disconnect terminal block
rated cross-section (mm ²)	6	16	35
connecting capacity			
flexible (mm ²)	0,5 ÷ 6	0,5 ÷ 16	0,5 ÷ 35
rigid (mm ²)	0,5 ÷ 10	0,5 ÷ 25	0,5 ÷ 50
max. flexible with ferrule (mm ²)-ferrule type	6 - WP60/20	16 - WP160/22	35 - WP350/30
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V / 41 A / A5	400 V / 76 A / B7	400 V / 125 A / A9
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage / (V)	-	-	-
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3	6 KV / 3
insulation stripping length (mm)	10,5	12	14,5
tightening torque value (test / max) (Nm)	1,2 / 1,9	2 / 3	2,5 / 5
height / width / thickness TH/35 7,5 mm	52 / 51 / 8	56 / 53 / 12	62 / 56 / 16
height / width / thickness TH/35 15 mm	60 / 51 / 8	64 / 53 / 12	70 / 56 / 16
height / width / thickness G32	56 / 51 / 8	61 / 53 / 12	66 / 56 / 16

APPROVALS

ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections		blu	CNT6/PT	CNT601	CNT16/PT	CNT161
Collecting busbar support			CNT/SU	CNTSU	CNT/SU	CNTSU
10 x 3 mm collecting busbar in tin-plated brass = 1 m long			BNT/OT	BNTOT	BNT/OT	BNTOT
10 x 3 mm collecting busbar in tin-plated copper = 1 m long			BNT/Cu	BNTCU	BNT/Cu	BNTCU
Neutral collecting busbar feeding terminal			BNT/CO	BNTCO	BNT/CO	BNTCO
Coloured partition		red, green, white	DFU/4	DU04..	DFU/4	DU04..
Numbering strip			SNZ/8	SN005	SNZ/8	SN005
Marking tag		printed or blank	CNU/8/51	NU0851	CNU/8/51	NU0851
End bracket			BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
			BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001
			BT/3 for PR/3 only	BT003	BT/3 for PR/3 only	BT003
			BTO	BT007	BTO	BT007
			PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
			PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
			PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
			PR/3/AC of steel	PR003	PR/3/AC of steel	PR003
			PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005
			PR/3/AC of steel	PR003	PR/3/AC of steel	PR003
			PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005

Spring clamp and insulation displacement terminal blocks - Polyamide insulated

Feed-through terminal blocks

HMM.1 series	page 72
HMM.2 series	page 73
HMM.2/1+2/S	page 74
HMM.2/2+2/A	page 74
HMM.2/2+2/S	page 74
HMM.4	page 75
HMM.6 - HMM.10 - HMM.16	page 76
HMR.16 voltage distribution terminal block	page 77

Earth terminal blocks

HTE.1series	page 78
HTE.2 series	page 79
HTE.4 series	page 80
HTE.6 - HTE.10 - HTE.16	page 81

Two and three level terminal blocks

HMD.1 - HMD.1/CI	page 82
HMD.2N - HMD.2N/CI	page 82
HMD.2	page 82
HMD.1/X (with electronic components)	page 83
HMD.2N/X (with electronic components)	page 83
HMD.2N/DD - HMD.2N/3DC (with diodes)	page 83
HMD.2N/X1	page 84
HLD.2	page 85
HDE.2	page 85
HTTE.2	page 85

Disconnect terminal blocks

HMS.2	page 86
HSCB.4 (slide link for measuring circuits)	page 86
HSCB.6 (slide link for measuring circuits)	page 86

Fuse-holder terminal blocks

HMFA.2 (for blade type fuses)	page 87
HMF.4 - CPF/5	page 88
HMF.4/L... (with LED)	page 88
HFR.4/M - HFR.4	page 89

Terminal blocks for connectors

HCD.1	page 90
HVPC.2 - CHP.2 - CHP.2D	page 91
HVTE.2 - CHTE.2 - CHTE.2D	page 92

Mini terminal blocks

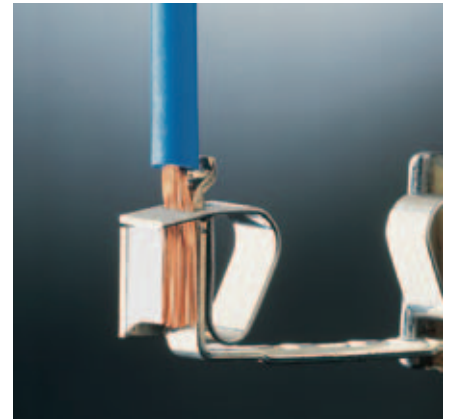
HPP.2	page 93
HP.2	page 94
HPC.2	page 94

Insulation displacement terminal blocks

NCS - NCV	pages 95-96
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Spring clamp terminal blocks

- available in grey RAL 7042 colour only



For high harness volumes, CABUR offers its own range of spring-clamp terminal blocks suitable for cables from 0.2 to 10 mm² and reduced current intensity values.

In order to protect the clamping system, a special stop is provided in the insulating body; this has the function of ensuring the spring does not go over its elastic range, in case of handling carried out by unskilled workforce.

The appropriate sizing of the wire insertion hole, fully in compliance with the requirements given by IEC 60947-1 Standard concerning the gauge, guarantees the insertion of any type of conductor having the rated cross-section, also with a ferrule. The resulting connection, with respect to the technology adopted, is of the maximum reliability and safety under both the aspects of the quality of the materials and for the particular conformation of the components; in this way the damaging of unprepared flexible conductors is avoided.

The insertion of the wire is vertical; this means further time and costs savings, especially where space is limited, but where guaranteed high-density connections are required.

For the commoning of different elements, a practical and safe cross-connection system is available.

The terminals with rated cross sections between 1.5 mm and 4 mm² can be connected one with another in the most various ways thanks to our exclusive “Easy Bridge” (PTC) connection system, with quick coupling, which combines efficiency, rapidity and flexibility and ensures at the same time an extraordinary economic result; these characteristics, **together with an IPXXB intrinsic installation, without the need of further insulation protections** (for cables, terminals and cross-connections), guarantee a connectivity which is superior to that offered by competitors.



CNU/8

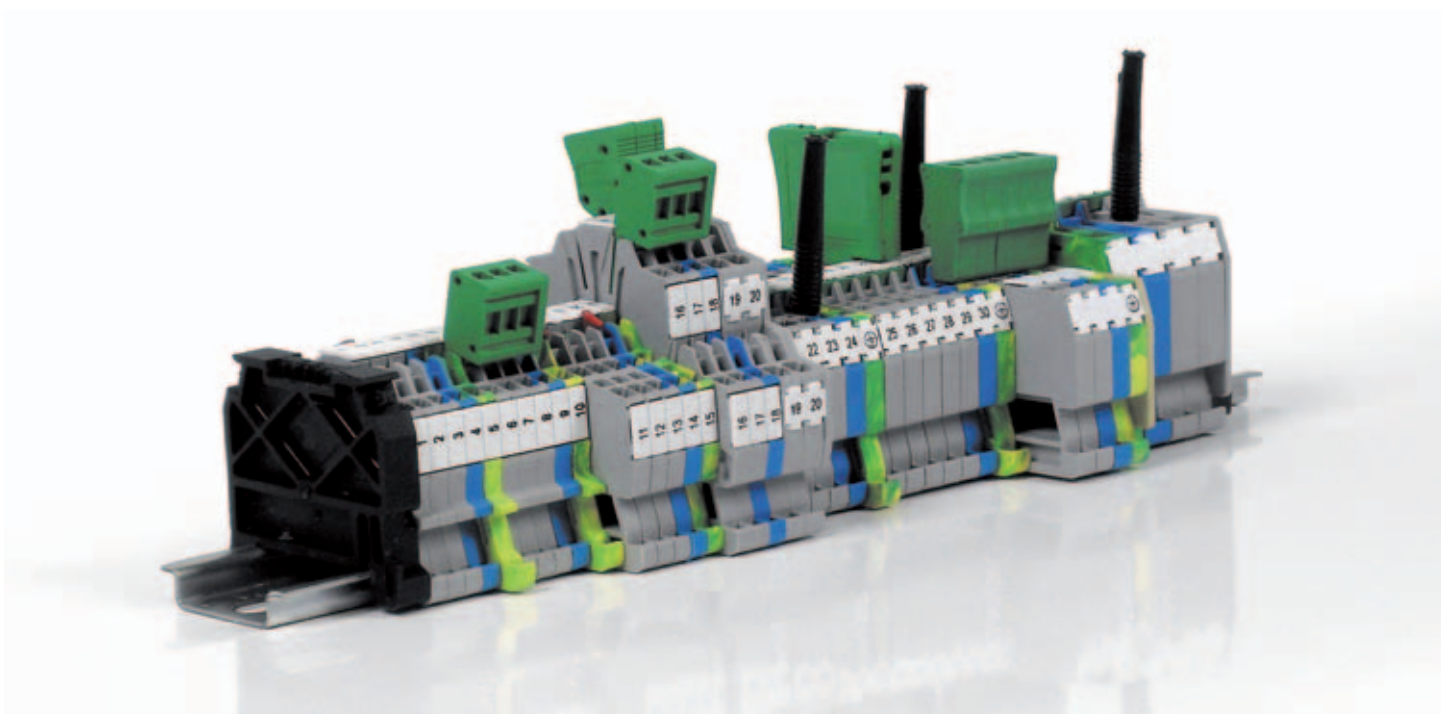


SHZ

Marking systems

Our particular marking system has to be highlighted. The same **SHZ** numbering strip, in fact, can be inserted on both sides of the terminal block or on the appropriate housings provided in the upper part of the terminal block. This means easy identification of every terminal block in the electrical panel.

It is possible also to perform the marking also using **CNU/8** tags.



HMM Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715

Std., "TH/35" type

- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
630	630		320	630	630

The /GR tag indicates the grey colour version.

grey version	HMM.1/GR Cat. No. HM400GR	HMM.1/1+2/GR Cat. No. HM410GR	HMM.1/2+2/GR Cat. No. HM420GR
(Ex)i version	HMM.1 (Ex)i Cat. No. HI400	HMM.1/1+2 (Ex)i Cat. No. HI410	HMM.1/2+2 (Ex)i Cat. No. HI420
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through, 1 input and 2 outputs	feed-through, 2 inputs and 2 outputs
rated cross-section (mm ²)	1,5	1,5	1,5
connecting capacity			
flexible (mm ²)	0,2 ÷ 2,5	0,2 ÷ 2,5	0,2 ÷ 2,5
rigid (mm ²)	0,2 ÷ 2,5	0,2 ÷ 2,5	0,2 ÷ 2,5
max. flexible with ferrule (mm ²)-ferrule type	1,5 - WP15/14	1,5 - WP15/14	1,5 - WP15/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	500 V / 17,5 A / B2	500 V / 17,5 A / B2	500 V / 17,5 A / B2
rated voltage / rated current / AWG UL	600 V / 15 A / 26-14 AWG	600 V / 15 A / 26-14 AWG	600 V / 15 A / 26-14 AWG
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	10	10	10
height / width / thickness	43 / 45 / 4,2	43 / 56 / 4,2	43 / 65 / 4,2
height / width / thickness	51 / 45 / 4,2	51 / 56 / 4,2	51 / 65 / 4,2
height / width / thickness	-	-	-

APPROVALS



ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey blue	HMT.1/PT/GR	HM401GR	HMT.1/1+2/PT/GR	HM411GR	HMT.1/2+2/PT/GR	HM421GR
Permanent cross connection (intrinsically IPXXB protected once mounted)		HMT.1/PT (Ex)i	HI401	HMT.1/1+2/PT (Ex)i	HI411	HMT.1/2+2/PT (Ex)i	HI421
		PTC/1/02 poles	PTC0102	PTC/1/02 poles	PTC0102	PTC/1/02 poles	PTC0102
		PTC/1/03 poles	PTC0103	PTC/1/03 poles	PTC0103	PTC/1/03 poles	PTC0103
		PTC/1/05 poles	PTC0105	PTC/1/05 poles	PTC0105	PTC/1/05 poles	PTC0105
		PTC/1/10 poles	PTC0110	PTC/1/10 poles	PTC0110	PTC/1/10 poles	PTC0110
		PTC/1/00 (50 poles)	PTC0100	PTC/1/00 (50 poles)	PTC0100	PTC/1/00 (50 poles)	PTC0100
Rated current carrying capacity of jumper (A)		17,5		17,5		17,5	
Cross-connection identification strip (100 mm)	green	PTC/SP	PTC0990	PTC/SP	PTC0990	PTC/SP	PTC0990
Multiple common bar	250 mm	-		-		-	
Shunting screw and sleeve		-		-		-	
Coloured partition	red, green, white	DFH/1	DH01..	DFH/2	DH02..	DFH/3	DH03..
Cross connection barrier	red	DFM/500	DF500	DFM/500	DF500	DFM/500	DF500
Test plug socket		-		-		-	
Test plug		-		-		-	
Modular test plug		SDH/4-SDH/4P	DH004-DH04P	SDH/4-SDH/4P	DH004-DH04P	SDH/4-SDH/4P	DH004-DH04P
End section for modular test plug		SH4/PT	DH401	SH4/PT	DH401	SH4/PT	DH401
Numbering strip		SHZ/1	SH004	SHZ/1	SH004	SHZ/1	SH004
Screwdriver for the activation of the spring		CCH/2,5-4	CCH02	CCH/2,5-4	CCH02	CCH/2,5-4	CCH02
Warning plate	on adjacent terminal blocks	-		-		-	
Marking tag	printed or blank	SHZ/1	SH004	SHZ/1	SH004	SHZ/1	SH004
End bracket		BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
		BTO	BT007	BTO	BT007	BTO	BT007
		BT/3 for PR/3 only	BT003	BT/3 for PR/3 only	BT003	BT/3 for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.		-		-		-	
		PR/3/AC of steel	PR003	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003
		PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005

HMM Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
630	630		320	630	630

The /GR tag indicates the grey colour version.

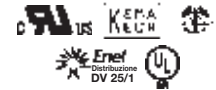
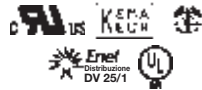
grey version
(Ex)i version
TECHNICAL CHARACTERISTICS
function / type
rated cross-section (mm ²)
connecting capacity
flexible (mm ²)
rigid (mm ²)
max. flexible with ferrule (mm ²)-ferrule type
rated voltage / rated current / gauge conf. to IEC 60947-7-1
rated voltage / rated current / AWG UL
rated impulse withstand voltage / pollution degree
insulation stripping length (mm)
height / width / thickness
height / width / thickness
height / width / thickness

HMM.2/GR	HMM.2 (Ex)i
Cat. No. HM500GR	Cat. No. HI500
feed-through	feed-through
2,5	2,5
0,2 ÷ 4	0,2 ÷ 4
0,2 ÷ 4	0,2 ÷ 4
2,5 - WP25/14	2,5 - WP25/14
800 V / 24 A / A3	800 V / 24 A / A3
600 V / 20 A / 24-12 AWG	600 V / 20 A / 24-12 AWG
8 KV / 3	8 KV / 3
10	10
41 / 50 / 5,2	41 / 50 / 5,2
49 / 50 / 5,2	49 / 50 / 5,2
-	-

HMM.2/1+2/GR	HMM.2/1+2 (Ex)i
Cat. No. HM510GR	Cat. No. HI510
feed-through, 1 input and 2 outputs	feed-through, 1 input and 2 outputs
2,5	2,5
0,2 ÷ 4	0,2 ÷ 4
0,2 ÷ 4	0,2 ÷ 4
2,5 - WP25/14	2,5 - WP25/14
800 V / 24 A / A3	800 V / 24 A / A3
600 V / 20 A / 24-12 AWG	600 V / 20 A / 24-12 AWG
8 KV / 3	8 KV / 3
10	10
41 / 66 / 5,2	41 / 66 / 5,2
49 / 66 / 5,2	49 / 66 / 5,2
-	-

HMM.2/2+2/GR	HMM.2/2+2 (Ex)i
Cat. No. HM520GR	Cat. No. HI520
feed-through, 2 inputs and 2 outputs	feed-through, 2 inputs and 2 outputs
2,5	2,5
0,2 ÷ 4	0,2 ÷ 4
0,2 ÷ 4	0,2 ÷ 4
2,5 - WP25/14	2,5 - WP25/14
800 V / 24 A / A3	800 V / 24 A / A3
600 V / 20 A / 24-12 AWG	600 V / 20 A / 24-12 AWG
8 KV / 3	8 KV / 3
10	10
41 / 82 / 5,2	41 / 82 / 5,2
49 / 82 / 5,2	49 / 82 / 5,2
-	-

APPROVALS



ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper (A)	
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMT.2/PT/GR	HM501GR
HMT.2/PT (Ex)i	HI501
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/1	DH01..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
CNU/8/51	NU0851
CCH/2,5-4	CCH02
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

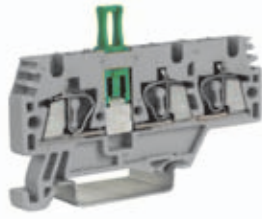
Type	Cat. No.
HMT.2/1+2/PT/GR	HM511GR
HMT.2/1+2/PT (Ex)i	HI511
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/2	DH02..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
CNU/8/51	NU0851
CCH/2,5-4	CCH02
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMT.2/2+2/PT/GR	HM521GR
HMT.2/2+2/PT (Ex)i	HI521
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/3	DH03..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
CNU/8/51	NU0851
CCH/2,5-4	CCH02
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HMM Series

with polyamide insulating body

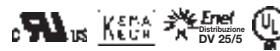
- UL94V-0
- disconnect by lever
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated



The **/GR** tag indicates the grey colour version.

grey version	HMM.2/1+2/S/GR Cat. No. HMS20GR	HMM.2/2+2/A/GR Cat. No. HM170GR	HMM.2/2+2/S/GR Cat. No. HMS10GR
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	disconnect, 1 input and 2 outputs	disconnect (open), 2 inputs and 2 outputs	disconnect, 2 inputs and 2 outputs
rated cross-section (mm ²)	2,5	2,5	2,5
connecting capacity			
flexible (mm ²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
rigid (mm ²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
max. flexible with ferrule (mm ²)-ferrule type	2,5 - WP25/14	2,5 - WP25/14	2,5 - WP25/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V / 16 A / A3	400 V / 16 A / A3	400 V / 16 A / A3
rated voltage / rated current / AWG UL	600 V / 20 A / 24-12 AWG	600 V / 20 A / 24-12 AWG	600 V / 20 A / 24-12 AWG
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3	6 KV / 3
insulation stripping length (mm)	10	10	10
height / width / thickness	48 / 66 / 5,2	37 / 82 / 5,2	48 / 82 / 5,2
height / width / thickness	56 / 66 / 5,2	45 / 82 / 5,2	56 / 82 / 5,2
height / width / thickness	-	-	-

APPROVALS

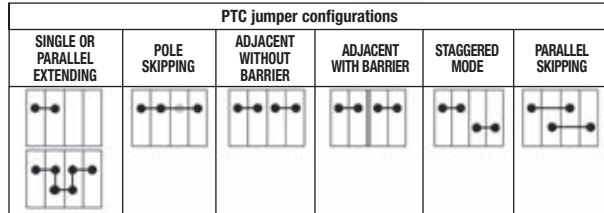
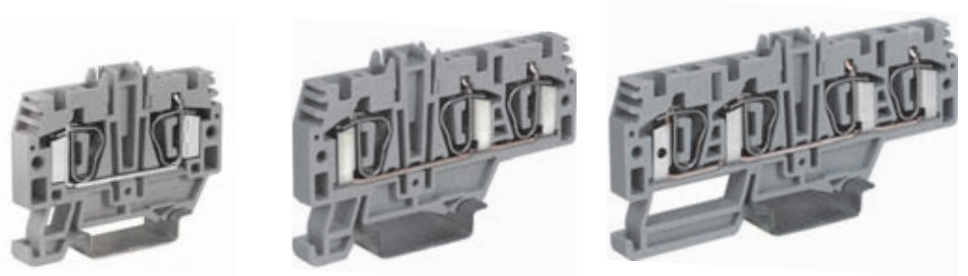


ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.			
End sections	grey beige blue	HMT.2/1+2/PT/GR - -	HM511GR	HMT.2/2+2/PT/GR - -	HM521GR	HMT.2/2+2/PT/GR - -	HM521GR		
Permanent cross connection	-	-	-	-	-	-	-		
Rated current carrying capacity of jumper (A)	-	-	-	-	-	-	-		
Multiple common bar	250 mm	-	-	-	-	-	-		
Shunting screw and sleeve	-	-	-	-	-	-	-		
Coloured partition	red, green, white	DFH/2	DH02..	DFH/3	DH03..	DFH/3	DH03..		
Cross connection barrier	red	-	-	-	-	-	-		
Test plug socket	-	-	-	-	-	-	-		
Test plug	SDD/1	DD001	SDD/1	DD001	SDD/1	DD001	SDD/1	DD001	
Modular test plug	SDH/5	DH005	SDH/5	DH005	SDH/5	DH005	SDH/5	DH005	
End section for modular test plug	SH5/PT	DH501	SH5/PT	DH501	SH5/PT	DH501	SH5/PT	DH501	
Numbering strip	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851	
Screwdriver for the activation of the spring	CCH/2,5-4	CCH02	CCH/2,5-4	CCH02	CCH/2,5-4	CCH02	CCH/2,5-4	CCH02	
Warning plate on adjacent terminal blocks	-	-	-	-	-	-	-	-	
Marking tag	printed or blank	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
End bracket	BTU for PR/DIN and PR/3 BTO BT/3 for PR/3 only	BT005 BT007 BT003	BTU for PR/DIN and PR/3 BTO BT/3 for PR/3 only	BT005 BT007 BT003	BTU for PR/DIN and PR/3 BTO BT/3 for PR/3 only	BT005 BT007 BT003	BTU for PR/DIN and PR/3 BTO BT/3 for PR/3 only	BT005 BT007 BT003	
Mounting rail according to IEC 60715 Std.	PR/3/AC of steel PR/3/AS same with slots	PR003 PR005	PR/3/AC of steel PR/3/AS same with slots	PR003 PR005	PR/3/AC of steel PR/3/AS same with slots	PR003 PR005	PR/3/AC of steel PR/3/AS same with slots	PR003 PR005	

HMM Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) version



Terminal block	Jumper	Insulation voltage in the above configurations (V)				
HMM.4	PTC/5	500	500	500	500	500

The /GR tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section (mm ²)	
connecting capacity	
flexible (mm ²)	
rigid (mm ²)	
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated impulse withstand voltage / pollution degree	UL
insulation stripping length (mm)	
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HMM.4/GR	HMM.4/1+2/GR	HMM.4/2+2/GR
Cat. No. HM250GR	Cat. No. HM210GR	Cat. No. HM220GR
HMM.4 (Ex)i	HMM.4/1+2 (Ex)i	HMM.4/2+2 (Ex)i
Cat. No. HI250	Cat. No. HI210	Cat. No. HI220
feed-through	feed-through 1 input and 2 outputs	feed-through 2 inputs and 2 outputs
4	4	4
0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 6
0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 6
4 - WP40/16	4 - WP40/16	4 - WP40/16
800 V / 32 A / A4	800 V / 32 A / A4	800 V / 32 A / A4
600 V / 30 A / 24-10 AWG	-	-
8 KV / 3	8 KV / 3	8 KV / 3
12	12	12
45 / 58 / 6,2	45 / 78 / 6,2	45 / 98 / 6,2
52 / 58 / 6,2	52 / 78 / 6,2	52 / 98 / 6,2
-	-	-

HMM.4/1+2/GR	HMM.4/2+2/GR
Cat. No. HM210GR	Cat. No. HM220GR
HMM.4/1+2 (Ex)i	HMM.4/2+2 (Ex)i
Cat. No. HI210	Cat. No. HI220
feed-through 1 input and 2 outputs	feed-through 2 inputs and 2 outputs
4	4
0,2 ÷ 6	0,2 ÷ 6
0,2 ÷ 6	0,2 ÷ 6
4 - WP40/16	4 - WP40/16
800 V / 32 A / A4	800 V / 32 A / A4
-	-
8 KV / 3	8 KV / 3
12	12
45 / 78 / 6,2	45 / 98 / 6,2
52 / 78 / 6,2	52 / 98 / 6,2
-	-

HMM.4/2+2/GR	HMM.4/2+2 (Ex)i
Cat. No. HM220GR	Cat. No. HI220
feed-through 2 inputs and 2 outputs	feed-through 2 inputs and 2 outputs
4	4
0,2 ÷ 6	0,2 ÷ 6
0,2 ÷ 6	0,2 ÷ 6
4 - WP40/16	4 - WP40/16
800 V / 32 A / A4	800 V / 32 A / A4
-	-
8 KV / 3	8 KV / 3
12	12
45 / 98 / 6,2	45 / 98 / 6,2
52 / 98 / 6,2	52 / 98 / 6,2
-	-

APPROVALS



ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper (A)	
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMT.4/PT/GR	HM251GR
HMT.4/PT (Ex)i	HI251
PTC/5/02 poles	PTC0502
PTC/5/03 poles	PTC0503
PTC/5/05 poles	PTC0505
PTC/5/10 poles	PTC0510
PTC/5/00 (40 poles)	PTC0500
32	
PTC/SP	PTC0990
-	
DFH/1	DH01..
-	
SDD/1	DD001
SDH/6	DH006
SH6/PT	DH601
CNU/8/61	NU0861
CCH/2,5-4	CCH02
-	
CNU/8/61	NU0861
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

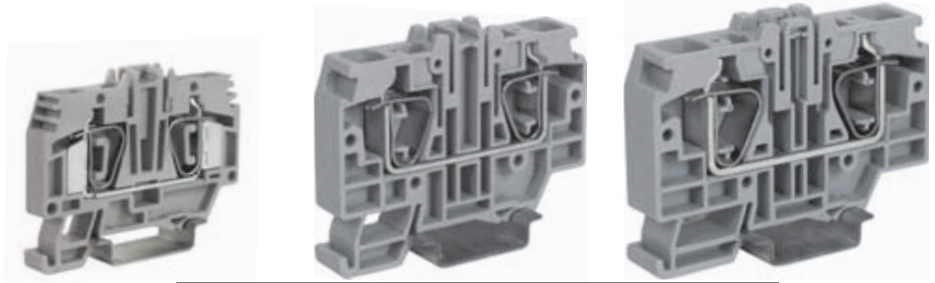
Type	Cat. No.
HMT.4/1+2/PT/GR	HM211GR
HMT.4/1+2/PT (Ex)i	HI211
PTC/5/02 poles	PTC0502
PTC/5/03 poles	PTC0503
PTC/5/05 poles	PTC0505
PTC/5/10 poles	PTC0510
PTC/5/00 (40 poles)	PTC0500
32	
PTC/SP	PTC0990
-	
DFH/4	DH04..
-	
SDD/1	DD001
SDH/6	DH006
SH6/PT	DH601
CNU/8/61	NU0861
CCH/2,5-4	CCH02
-	
CNU/8/61	NU0861
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMT.4/2+2/PT/GR	HM221GR
HMT.4/2+2/PT (Ex)i	HI221
PTC/5/02 poles	PTC0502
PTC/5/03 poles	PTC0503
PTC/5/05 poles	PTC0505
PTC/5/10 poles	PTC0510
PTC/5/00 (40 poles)	PTC0500
32	
PTC/SP	PTC0990
-	
DFH/4	DH04..
-	
SDD/1	DD001
SDH/6	DH006
SH6/PT	DH601
CNU/8/61	NU0861
CCH/2,5-4	CCH02
-	
CNU/8/61	NU0861
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HMM Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) version



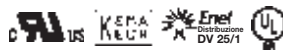
PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

The /GR tag indicates the grey colour version.

Morsetto	Ponte	Insulation voltage in the above configurations (V) acc. to IEC 60947-7-1					
HMM.6	PTC/8	500	500		500	500	500
HMM.10 (HMM.16)	PTC/11 (/16)	1000	1000		800	1000	800

grey version	HMM.6/GR	HMM.10/GR	HMM.16/GR
	Cat. No. HM320GR	Cat. No. HM330GR	Cat. No. HM340GR
(Ex)i version	HMM.6 (Ex)i	HMM.10 (Ex)i	HMM.16 (Ex)i
	Cat. No. HI320	Cat. No. HI330	Cat. No. HI340
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm ²)	6	10	16
connecting capacity			
flexible (mm ²)	0,2 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
rigid (mm ²)	0,2 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
max. flexible with ferrule (mm ²)-ferrule type	6 - WP60/20	10 - WP100/21	16 - WP160/22
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 41 A / A5	1000 V / 57 A / A6	1000 V / 76 A / A7
rated impulse withstand voltage / pollution degree	600 V / 41 A / 24-8 AWG	-	-
UL	8 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	13	13	13
height / width / thickness	44 / 62 / 8,2	53 / 71 / 10	56 / 80 / 12
height / width / thickness	52 / 62 / 8,2	61 / 71 / 10	64 / 80 / 12
height / width / thickness	-	-	-

APPROVALS



UL, cUL, ENEL Distribuzione pending

UL, cUL, ENEL Distribuzione pending

ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey		HMT.6/PT/GR	HM321GR	HMT.16/PT/GR	HM341GR
	blue		HMT.6/PT (Ex)i	HI321	HMT.16/PT (Ex)i	HI341
Permanent cross connection (intrinsically IPXXB protected once mounted)	PTC/8/02 poles	PTC0802	PTC/11/02 poles	PTC1102	PTC/16/02 poles	PTC1602
	PTC/8/03 poles	PTC0803	PTC/11/03 poles	PTC1103	PTC/16/03 poles	PTC1603
	PTC/8/05 poles	PTC0805	PTC/11/05 poles	PTC1105	PTC/16/05 poles	PTC1605
	PTC/8/10 poles	PTC0810	PTC/11/10 poles	PTC1110	PTC/16/10 poles	PTC1610
	PTC/8/00 (30 poles)	PTC0800	PTC/11/00 (25 poles)	PTC1100	PTC/16/00 (20 poles)	PTC1600
	41		57		76	
	PTC/SP	PTC0990	-		-	
Rated current carrying capacity of jumper (A)						
Cross-connection identification strip (100 mm)	green					
Multiple common bar	250 mm					
Shunting screw and sleeve						
Coloured partition	red, green, white		DFH/1	DH01..	DFH/4	DH04..
Cross connection barrier	red		-		-	
Test plug socket			-		-	
Test plug			SDD/1	DD001	SDD/1	DD001
Modular test plug			-		-	
End section for modular test plug			-		-	
Numbering strip			-		-	
Screwdriver for the activation of the spring			CCH/6	CCH06	CCH/6	CCH06
Warning plate	on adjacent terminal blocks		-		-	
Marking tag	printed or blank		CNU/8/51	NU0851	CNU/8/51	NU0851
End bracket			-		-	
Mounting rail according to IEC 60715 Std.	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	BTO	BT007	BTO	BT007	BTO	BT007
	BT/3 for PR/3 only	BT003	BT/3 for PR/3 only	BT003	BT/3 for PR/3 only	BT003
	-		-		-	
PR/3/AC of steel	PR003	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003	
PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005	

HMM Series

with polyamide insulating body

- UL94V-0
- 16 mm²
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in grey RAL 7042 colour
- can be connected with HMM.2/GR, HMM.2/1+2/GR, HMM.2/2+2/GR, HMS.2/GR, HMFA.2/GR, HMM.4/GR, HMM.4/1+2/GR, HMM.4/2+2/GR, HMM.6/GR

(*) value referred to the terminal and not to the potential distributor

The /GR tag indicates the grey colour version.

single power supply version	
double supply version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

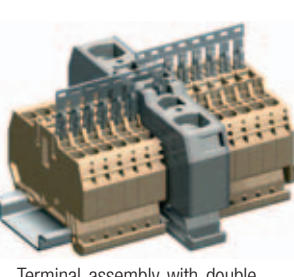


ENEL Distribuzione in corso

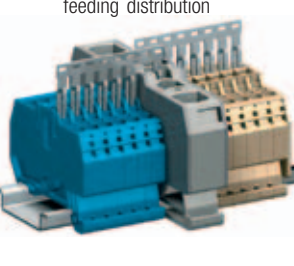
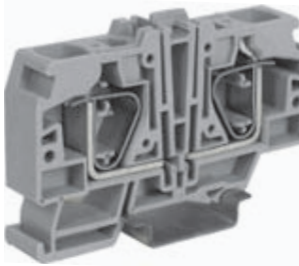
ACCESSORIES

End sections	grey
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
see table	
see table	
see table	
-	
-	
-	
DFH/4	DH04R
-	
SDD/1	DD001
-	
CCH/6	CCH06
-	
CNU/8/51	NU0851
-	
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005



Terminal assembly with double feeding distribution



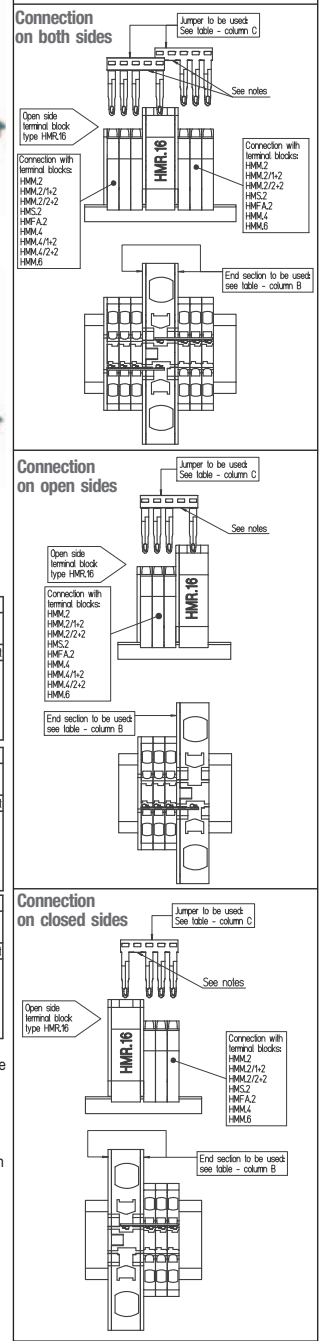
cross-connection currents according to UL approval

Column A	Column B	Column C		
Connection to distribution T.B.	End section to be used	Jumpers that can be used		
Type	Type	Cat. No.	Type	Cat. No. Current
HMM.2 HMM.2/1+2 HMM.2/2+2 HMS.2 HMFA.2	HMR.16-2/PT/GR	HMS2GR	PTC03/03 poles PTC03/05 poles PTC03/10 poles PTC03/00 (47 poles)	PTC0303 PTC0305 PTC0310 PTC0300 15 A
HMM.4 HMM.4/1+2 HMM.4/2+2	HMR.16-4/PT/GR	HMS4GR	PTC05/03 poles PTC05/05 poles PTC05/10 poles PTC05/00 (40 poles)	PTC0503 PTC0505 PTC0510 PTC0500 20 A
HMM.6	HMR.16-6/PT/GR	HMS6GR	PTC08/03 poles PTC08/05 poles PTC08/10 poles PTC08/00 (30 poles)	PTC0803 PTC0805 PTC0810 PTC0800 30 A

NOTES:
The number of poles to be used shall be equal to the number of terminal blocks to be connected, including the distribution terminal block + 1
To allow the connection to the distribution terminal block the second pin of the PTC jumper shall be trimmed off
*Connectable only on the open side of the distribution terminal block



Connection scheme - distribution terminal blocks HMR.16/GR and HMR.16/D/GR



Terminal block connected to supply terminal	End sections		Permanent cross connection (**)		
	Type	Cat. No.	Type	Cat. No.	Total capacity
HMM.2/GR HMM.2/1+2/GR HMM.2/2+2/GR HMS.2/GR HMFA.2/GR	HMR.16-2/PT/GR	HM352GR	PTC/03/03 poles PTC/03/05 poles PTC/03/10 poles PTC/03/00 (47 poles)	PTC0303 PTC0305 PTC0310 PTC0300	24 A
HMM.4/GR HMM.4/1+2/GR HMM.4/2+2/GR	HMR.16-4/PT/GR	HM354GR	PTC/05/03 poles PTC/05/05 poles PTC/05/10 poles PTC/05/00 (40 poles)	PTC0503 PTC0505 PTC0510 PTC0500	32 A
HMM.6/GR	HMR.16-6/PT/GR	HM356GR	PTC/08/03 poles PTC/08/05 poles PTC/08/10 poles PTC/08/00 (30 poles)	PTC0803 PTC0805 PTC0810 PTC0800	41 A

(**) In order to enable the connection to the supply terminal the second pin must be always removed from the strip of the PTC jumper.

The number of poles of the PTC jumper must be equal to the number of terminal blocks to be cross-connected plus 1

HTE Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- for earth connection with yellow/green insulating body



yellow/green version	HTE.2 Cat. No. HT500	HTE.2/1+2 Cat. No. HT510	HTE.2/2+2 Cat. No. HT520
TECHNICAL CHARACTERISTICS			
function / type	earth	earth, 1 input and 2 outputs	earth, 2 inputs and 2 outputs
rated cross-section (mm ²)	2,5	2,5	2,5
connecting capacity			
flexible (mm ²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
rigid (mm ²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
max. flexible with ferrule (mm ²)-ferrule type	2,5 - WP25/14	2,5 - WP25/14	2,5 - WP25/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A3	- / - / A3	- / - / A3
rated voltage / rated current / AWG	- / - / 24-12 AWG	- / - / 24-12 AWG	- / - / 24-12 AWG
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	10	10	10
height / width / thickness	41 / 54 / 5,2	41 / 70 / 5,2	41 / 82 / 5,2
height / width / thickness	49 / 54 / 5,2	49 / 70 / 5,2	49 / 82 / 5,2
height / width / thickness	-	-	-
APPROVALS			
ACCESSORIES			
End sections	grey blue		
Permanent cross connection			
Rated current carrying capacity of jumper (A)			
Cross-connection identification strip (100 mm)	green		
Multiple common bar	250 mm		
Shunting screw and sleeve			
Coloured partition	red, green, white		
Cross connection barrier	red		
Test plug socket			
Test plug			
Modular test plug			
End section for modular test plug			
Numbering strip			
Screwdriver for the activation of the spring			
Warning plate	on adjacent terminal blocks		
Marking tag	printed or blank		
End bracket			
Mounting rail according to IEC 60715 Std.			
Type	Cat. No.	Type	Cat. No.
HMT.2/PT/GR	HM501GR	HMT.2/1+2/PT/GR	HM511GR
-	-	-	-
PTC/03/02 poles	PTC0302	PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303	PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305	PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310	PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300	PTC/03/00 (47 poles)	PTC0300
24		24	
PTC/SP	PTC0990	PTC/SP	PTC0990
-	-	-	-
DFH/1	DH01..	DFH/2	DH02..
-	-	-	-
SDD/1	DD001	SDD/1	DD001
-	-	-	-
CNU/8/51	NU0851	CNU/8/51	NU0851
CCH/2,5-4	CCH02	CCH/2,5-4	CCH02
-	-	-	-
CNU/8/51	NU0851	CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
BTO	BT007	BTO	BT007
BT/3 for PR/3 only	BT003	BT/3 for PR/3 only	BT003
-	-	-	-
PR/3/AC of steel	PR003	PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005
PR/3/AC of steel	PR003	PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005

HTE Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- for earth connection with yellow/green insulating body

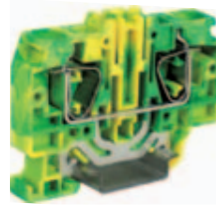


yellow/green version	HTE.4	HTE.4/1+2	HTE.4/2+2
	Cat. No. HT250	Cat. No. HT260	Cat. No. HT270
TECHNICAL CHARACTERISTICS			
function / type	earth	earth, 1 input and 2 outputs	earth, 2 inputs and 2 outputs
rated cross-section (mm ²)	4	4	4
connecting capacity			
flexible (mm ²)	0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 6
rigid (mm ²)	0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	4 - WP40/16	4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A4	- / - / A4	- / - / A4
rated voltage / rated current / AWG UL	- / - / 24-10 AWG	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	12	12	12
height / width / thickness	45 / 58 / 6,2	45 / 78 / 6,2	45 / 98 / 6,2
height / width / thickness	52 / 58 / 6,2	52 / 78 / 6,2	52 / 98 / 6,2
height / width / thickness	-	-	-
APPROVALS			
ACCESSORIES	Type	Type	Type
End sections	HMT.4/PT/GR	HMT.4/1+2/PT/GR	HMT.4/2+2/PT/GR
Permanent cross connection	PTC/5/02 poles	PTC/5/02 poles	PTC/5/02 poles
	PTC/5/03 poles	PTC/5/03 poles	PTC/5/03 poles
	PTC/5/05 poles	PTC/5/05 poles	PTC/5/05 poles
	PTC/5/10 poles	PTC/5/10 poles	PTC/5/10 poles
	PTC/5/00 (40 poles)	PTC/5/00 (40 poles)	PTC/5/00 (40 poles)
Rated current carrying capacity of jumper (A)	32	32	32
Cross-connection identification strip (100 mm)	PTC/SP	PTC/SP	PTC/SP
Multiple common bar	-	-	-
Shunting screw and sleeve	-	-	-
Coloured partition	DFH/1	DFH/1	DFH/1
Cross connection barrier	-	-	-
Test plug socket	-	-	-
Test plug	SDD/1	SDD/1	SDD/1
Modular test plug	-	-	-
End section for modular test plug	-	-	-
Numbering strip	CNU/8/61	CNU/8/61	CNU/8/61
Screwdriver for the activation of the spring	CCH/2,5-4	CCH/2,5-4	CCH/2,5-4
Warning plate	-	-	-
Marking tag	CNU/8/61	CNU/8/61	CNU/8/61
End bracket	BTU for PR/DIN and PR/3	BTU for PR/DIN and PR/3	BTU for PR/DIN and PR/3
	BTO	BTO	BTO
	BT/3 for PR/3 only	BT/3 for PR/3 only	BT/3 for PR/3 only
Mounting rail according to IEC 60715 Std.	-	-	-
	PR/3/AC of steel	PR/3/AC of steel	PR/3/AC of steel
	PR/3/AS same with slots	PR/3/AS same with slots	PR/3/AS same with slots

HTE Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- for earth connection with yellow/green insulating body

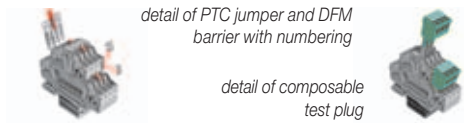


yellow/green version	HTE.6	HTE.10	HTE.16
	Cat. No. HT320	Cat. No. HT330	Cat. No. HT340
TECHNICAL CHARACTERISTICS			
function / type	earth	earth	earth
rated cross-section (mm ²)	6	10	16
connecting capacity			
flexible (mm ²)	0,2 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
rigid (mm ²)	0,2 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
max. flexible with ferrule (mm ²)-ferrule type	6 - WP60/20	10 - WP100/21	16 - WP160/22
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A5	- / - / A6	- / - / A7
rated voltage / rated current / AWG UL	- / - / 24-8 AWG	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	13	13	13
height / width / thickness	44 / 62 / 8,2	53 / 71 / 10	56 / 80 / 12
height / width / thickness	52 / 62 / 8,2	61 / 70 / 10	64 / 80 / 12
height / width / thickness	-	-	-
		UL, cUL, ENEL Distribuzione in corso	UL, cUL, ENEL Distribuzione in corso
APPROVALS			
ACCESSORIES	Type	Type	Type
End sections	HMT.6/PT/GR	HMT.10/PT	HMT.16/PT
grey blue	HM321GR	HM331GR	HM341GR
Permanent cross connection	PTC/8/02 poles	PTC/11/02 poles	PTC/16/02 poles
	PTC0802	PTC1102	PTC1602
	PTC/8/03 poles	PTC/11/03 poles	PTC/16/03 poles
	PTC0803	PTC1103	PTC1603
	PTC/8/05 poles	PTC/11/05 poles	PTC/16/05 poles
	PTC0805	PTC1105	PTC1605
	PTC/8/10 poles	PTC/11/10 poles	PTC/16/10 poles
	PTC0810	PTC1110	PTC1610
	PTC/8/00 (30 poles)	PTC/11/00 (25 poles)	PTC/16/00 (20 poles)
	PTC0800	PTC1100	PTC1600
Rated current carrying capacity of jumper (A)	41	57	76
Cross-connection identification strip (100 mm)	PTC/SP		
green	PTC0990		
Multiple common bar	-	-	-
250 mm			
Shunting screw and sleeve	-	-	-
Coloured partition	DFH/1	DFH/4	DFH/4
red, green, white	DH01..	DH04..	DH04..
Cross connection barrier	-	-	-
red			
Test plug socket	-	-	-
Test plug	SDD/1	SDD/1	SDD/1
Modular test plug	DD001	DD001	DD001
End section for modular test plug	-	-	-
Numbering strip	-	-	-
Screwdriver for the activation of the spring	CCH/6	CCH/6	CCH/6
Warning plate	CCH06	CCH06	CCH06
on adjacent terminal blocks			
Marking tag	CNU/8/51	CNU/8/51	CNU/8/51
printed or blank	NU0851	NU0851	NU0851
End bracket	BTU for PR/DIN and PR/3	BTU for PR/DIN and PR/3	BTU for PR/DIN and PR/3
	BT005	BT005	BT005
	BTO	BTO	BTO
	BT007	BT007	BT007
	BT/3 for PR/3 only	BT/3 for PR/3 only	BT/3 for PR/3 only
	BT003	BT003	BT003
Mounting rail according to IEC 60715 Std.	-	-	-
	PR/3/AC of steel	PR/3/AC of steel	PR/3/AC of steel
	PR003	PR003	PR003
	PR/3/AS same with slots	PR/3/AS same with slots	PR/3/AS same with slots
	PR005	PR005	PR005

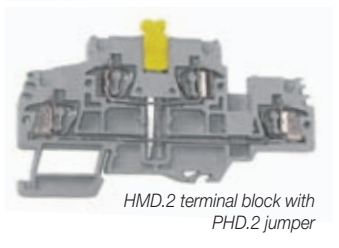
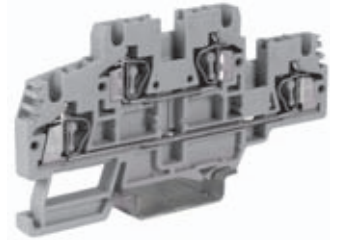
H Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- double possibility of PTC – "Easy Bridge" multi-pole cross connection, on each level
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated



The **/GR** tag indicates the grey colour version.



HMD.2 terminal block with PHD.2 jumper

Please refer to the table on page 148 in order to determine the insulation voltage of the different PTC connection diagrams

grey version	
(Ex)i version	
version with permanent internal connection	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HMD.1/GR	Cat. No. HD200GR
HMD.1 (Ex)i	Cat. No. HD300
HMD.1/CI/GR	Cat. No. HD120GR
two-level feed-through	
1,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
500 V / 17,5 A / B2	
600 V / 15 A / 26-14 AWG	
6 KV / 3	
10	
59 / 73 / 4,2	
67 / 73 / 4,2	
-	

HMD.2N/GR	Cat. No. HD400GR
HMD.2N (Ex)i	Cat. No. HD410
HMD.2N/CI/GR	Cat. No. HD450GR
two-level feed-through	
2,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
630 V / 24 A / B2	
600 V / 15 A / 26-14 AWG	
8 KV / 3	
10	
59 / 73 / 5,2	
67 / 73 / 5,2	
-	

HMD.2/GR	Cat. No. HD100GR
two-level feed-through	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
1,5 - WP15/14	
800 V / 24 A / A3	
600 V / 20 A / 24-12 AWG	
8 KV / 3	
10	
49 / 91 / 5,2	
56 / 91 / 5,2	
-	

APPROVALS



Approvals referred to HMD.1 standard version



Approvals referred to HMD.2N standard version



ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Internal cross connection (removable)	
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMD.1/PT/GR	HD201GR
HMD.1/PT (Ex)i	HI301
PTC/1/02 poles	PTC0102
PTC/1/03 poles	PTC0103
PTC/1/05 poles	PTC0105
PTC/1/10 poles	PTC0110
PTC/1/00 (50 poles)	PTC0100
17,5	
PTC/SP	PTC0990
-	
DFU/07	DU07..
DFM/500	DF500
-	
SDH/4-SDH/4P	DH004-DH04P
SH4/PT	DH401
SHZ/1	SH004
CCH/2,5-4	CCH02
-	
SHZ/1	SH004
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMD.1/PT/GR	HD201GR
HMD.1/PT (Ex)i	HI301
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (50 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFU/07	DU07..
DFM/500	DF500
-	
SDH/7	DH007
SH7/PT	DH701
CNU/8/51	NU0851
CCH/2,5-4	CCH02
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMD/PT/GR	HD101GR
-	
PH/2,5-4	PH100
PHD/2	PHD02
-	
24	
-	
PHD/2	PHD02
-	
DFH/4	DH04..
-	
-	
SDD/1	DD001
-	
-	
CNU/8/51	NU0851
CCH/2,5-4	CCH02
-	
CNU/8/51	NU0851
(solo su piano inferiore)	
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

H Series

with polyamide insulating body

- UL94V-0
- versions suited to contain electronic components
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex) "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated



(* values referred to the insulation characteristics of the terminal block and to the connection unit

The **/GR** tag indicates the grey colour version.

max. thickness of the mounted components: 3,4 mm

max. thickness of the mounted components: 3,9 mm

grey version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HMD.1/X/GR	Cat. No. HD130GR
two level, arranged to contain electronic components	
1,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
500 V (*) / 17,5 A (*) / B2	
-	
6 kV / 3 (*)	
10	
59 / 73 / 4,2	
67 / 73 / 4,2	
-	

HMD.2N/X/GR	Cat. No. HD440GR
two level, arranged to contain electronic components	
2,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
630 V (*) / 24 A (*) / B2	
-	
6 kV / 3 (*)	
10	
59 / 73 / 5,2	
67 / 73 / 5,2	
-	

HMD.2N/DD/GR	Cat. No. HD420GR

version equipped with two 1N4007 diodes in feed-through configuration for each level

APPROVALS

Approvals referred to HMD.1 standard version

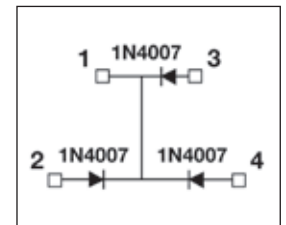
Approvals referred to HMD.2N standard version

ACCESSORIES	
End sections	grey beige
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMD.1/PT/GR	HD201GR
-	
PTC/1/02 poles	PTC0102
PTC/1/03 poles	PTC0103
PTC/1/05 poles	PTC0105
PTC/1/10 poles	PTC0110
PTC/1/00 (50 poles)	PTC0100
17,5	
-	
DFU/7	DU07..
DFM/500	DF500
-	
SDH/4-SDH/4P	DH004-DH04P
SH4/PT	DH401
SHZ/1	SH004
CCH/2,5-4	CCH02
-	
SHZ/1	SH004
BTU for PR/DIN and PR/3	BT005
BT0	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMD.1/PT/GR	HD201GR
-	
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (50 poles)	PTC0300
24	
-	
DFU/7	DU07..
DFM/500	DF500
-	
SDH/7	DH007
SH7/PT	DH701
CNU/8/51	NU0851
CCH/2,5-4	CCH02
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT0	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HMD.2/3DC/GR	Cat. No. HD430GR
--------------	------------------



version equipped with three 1N4007 diodes and shared cathode

H Series

with polyamide insulating body

- UL94V-0
- version suited to house a connector / test plug as well as electronic components
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex) "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated



detail of modular test plug / composable connector

The **/GR** tag indicates the grey colour version.

max. thickness of the mounted components:
3,9 mm

grey version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HMD.2N/X1/GR	
Cat. No. HD441GR	
two-level, upper feed-through and lower disconnect	
2,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
630 V / 24 A / B2	
-	
8 KV / 3	
10	
59 / 73 / 5,2	
67 / 73 / 5,2	
-	

APPROVALS

KEMA-KEUR, UL and cUL pending

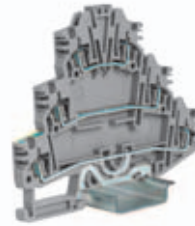
ACCESSORIES	
End sections	grey beige
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Striscia di segnalazione ponte	100 mm
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMD.1/PT/GR	HD201GR
-	
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFU/7	DU07..
DFM/500	DF500
-	
SDH/7	DH007
SH7/PT	DH701
CNU/8/51	NU0851
CCH/2,5-4	CCH02
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT0	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

H Series

with polyamide insulating body

- Mounting onto PR/3, TH/35 type rails, according to IEC 60715 Std.
- Three feed-through levels / Two feed-through levels + earth
- Available in grey (RAL 7042) colour or Earth, with green/yellow insulating casing
- “Easy bridge” jumpering system: double insertion possibility of PTC multi-pole cross-connections, without the need of an insulating protection
- **HLD.2** and **HDE.2**: Possibility to house electronic components between the three levels and having max. thickness of 3,9 mm
- Coupling possibility with each others



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

Insulation voltage in the above configurations (V) acc. to IEC 60947-7-1 (*)					
upper level	500	500		500 (**)	500
intermediate level	500	500		500 (**)	
lower level (HLD.2... only)	500	500		500 (**)	

Note (*) for HLD.2 and HDE.2 only (**) interposing an end section

The /GR tag indicates the grey colour version.

grey coloured version (/earth)	
version with internal cross-connection	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HLD.2/GR	Cat. No. HL200GR
HLD.2/CI/GR	Cat. No. HL210GR
HLD.2 (Ex)i	Cat. No. HD510GR
Three feed-through levels	2,5
0,2 ÷ 2,5	0,2 ÷ 2,5
0,2 ÷ 2,5	0,2 ÷ 2,5
1,5 - WP15/14	1,5 - WP15/14
500 V / 24 A / B2	500 V / 24 A / B2
-	-
8 KV / 3	8 KV / 3
10	10
-	-
75 / 95 / 5,2	75 / 95 / 5,2
83 / 95 / 5,2	83 / 95 / 5,2
-	-

HDE.2/GR	Cat. No. HL500GR
Two feed-through levels + earth	2,5
0,2 ÷ 2,5	0,2 ÷ 2,5
0,2 ÷ 2,5	0,2 ÷ 2,5
1,5 - WP15/14	1,5 - WP15/14
500 V / 24 A / B2	500 V / 24 A / B2
-	-
8 KV / 3	8 KV / 3
10	10
-	-
75 / 95 / 5,2	75 / 95 / 5,2
83 / 95 / 5,2	83 / 95 / 5,2
-	-

HTTE.2	Cat. No. HLT500
Three cross-connected earth levels	2,5
0,2 ÷ 2,5	0,2 ÷ 2,5
0,2 ÷ 2,5	0,2 ÷ 2,5
1,5 - WP15/14	1,5 - WP15/14
- / - / B2	- / - / B2
-	-
8 KV / 3	8 KV / 3
10	10
-	-
75 / 95 / 5,2	75 / 95 / 5,2
83 / 95 / 5,2	83 / 95 / 5,2
-	-

APPROVALS

KEMA-KEUR approvals, UL and cUL pending

KEMA-KEUR approvals, UL and cUL pending

KEMA-KEUR approvals, UL and cUL pending

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross connection identification strip (100 mm)	green
Cross connection barrier	
Coloured partition	red, green, white
Test plug socket	
Numbering strip	
Miniature fuse	Ø 5 x 20 mm
Screwdriver for the activation of the spring	
Short circuit screw and sleeve (with plug)	
Short circuit plate	for 2 adjoining terminal blocks for 4 adjoining terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HLD.2/PT/GR	HL201GR
-	-
-	-
PTC/03/02 poli	PTC0302
PTC/03/03 poli	PTC0303
PTC/03/05 poli	PTC0305
PTC/03/10 poli	PTC0310
PTC/03/00 (47 poli)	PTC0300
24	-
DFM/500	DF500
-	-
CNU/8/51	NU0851
CCH/2,5-4	CCH02
-	-
CNU/8/51	NU0851
-	-
BTU per PR/DIN e PR/3	BT005
BTO	BT007
BT/3 solo per PR/3	BT003
-	-
PR/3/AC in acciaio	PR003
PR/3/AS idem con asole	PR005

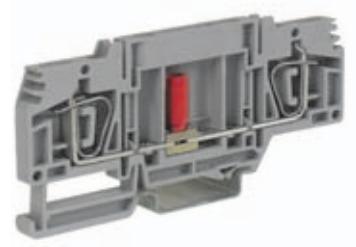
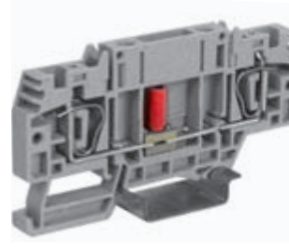
Type	Cat. No.
HLD.2/PT/GR	HL201GR
-	-
-	-
PTC/03/02 poli	PTC0302
PTC/03/03 poli	PTC0303
PTC/03/05 poli	PTC0305
PTC/03/10 poli	PTC0310
PTC/03/00 (47 poli)	PTC0300
24	-
DFM/500	DF500
-	-
CNU/8/51	NU0851
CCH/2,5-4	CCH02
-	-
CNU/8/51	NU0851
-	-
BTU per PR/DIN e PR/3	BT005
BTO	BT007
BT/3 solo per PR/3	BT003
-	-
PR/3/AC in acciaio	PR003
PR/3/AS idem con asole	PR005

Type	Cat. No.
HLD.2/PT/GR	HL201GR
-	-
-	-
PTC/03/02 poli	PTC0302
PTC/03/03 poli	PTC0303
PTC/03/05 poli	PTC0305
PTC/03/10 poli	PTC0310
PTC/03/00 (47 poli)	PTC0300
24	-
DFM/500	DF500
-	-
CNU/8/51	NU0851
CCH/2,5-4	CCH02
-	-
CNU/8/51	NU0851
-	-
BTU per PR/DIN e PR/3	BT005
BTO	BT007
BT/3 solo per PR/3	BT003
-	-
PR/3/AC in acciaio	PR003
PR/3/AS idem con asole	PR005

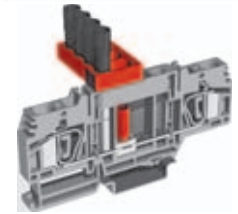
H Series

with polyamide insulating body

- UL94V-0
- disconnect by lever and by slide link
- for test and measurement circuits
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated



Please refer to the table on page 148 in order to determine the insulation voltage of the different PTC connection diagrams



Terminal block with short circuit plate and test plug

The **/GR** tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Diaframma separatore ponti	
Internal cross connection	
Coloured partition	red, green, white
Test plug socket	
Test plug	
Modular test plug	
Numbering strip	
Conducting element	
End section for modular test plug	
Signal element	
Screwdriver for the activation of the spring	
Screw and sleeve for short circuit plates (with socket)	
Short-circuit plate	between 2 adjoining terminal blocks between 4 adjoining terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

HMS.2/GR	Cat. No. HS200GR
disconnect by lever	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
400 V / 16 A / A3	
600 V / 24 A / 24-12 AWG	
6 KV / 3	
10	
-	
37 / 66 / 5,2	
45 / 66 / 5,2	
-	



HSCB.4/GR	Cat. No. HB100GR
disconnect by slide link	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V / 32 A / A4	
600 V / 30 A / 28-10 AWG	
6 KV / 3	
12	
6,2	
45 / 86 / 6,2	
53 / 86 / 6,2	
-	



HSCB.6/GR	Cat. No. HB200GR
disconnect by slide link	
6	
0,2 ÷ 10	
0,2 ÷ 10	
6 - WP60/20	
800 V / 41 A / A5	
6 KV / 3	
13	
8,2	
48 / 97 / 8,2	
56 / 97 / 8,2	
-	



Approvazioni UL e cUL in corso

Type	Cat. No.
HMT.2/1+2/PT/GR	HM511GR
-	
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
-	
DFH/2	DH02..
-	
SDD/1	DD001
SDH/5	DH005
CNU/8/51	NU0851
-	
SH5/PT	DH501
-	
CCH/2,5-4	CCH02
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HSCB.4/PT/GR	HB101GR
-	
PTC/5/02 poles	PTC0502
PTC/5/03 poles	PTC0503
PTC/5/05 poles	PTC0505
PTC/5/10 poles	PTC0510
PTC/5/00 (40 poles)	PTC0500
32	
PTC/SP	PTC0990
-	
DFH/4	DH04..
-	
SDH/6	DH006
CNU/8/51	NU0851
-	
SH6/PT	DH601
-	
CCH/2,5-4	CCH02
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HSCB.6/PT/GR	HB201GR
-	
PTC/8/02 poles	PTC0802
PTC/8/03 poles	PTC0803
PTC/8/05 poles	PTC0805
PTC/8/10 poles	PTC0810
PTC/8/00 (30 poles)	PTC0800
41	
PTC/SP	PTC0990
DFM/500	DF500
-	
PSD/0	PD017
SDD/1	DD001
-	
SHZ/6	SH006
-	
-	
CCH/6	CCH06
HSCB/6/CPM	HB205
HSCB/6/PO/2	HB203
HSCB/6/PO/4	HB204
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

H Series

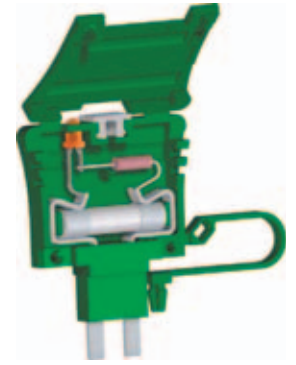
with polyamide insulating body

- for blade fuse (acc. to DIN 72581/3F – ISO 8820) and Ø 5 x 20 mm fuses (fuses supplied separately)
- with possibility of cross connection
- mounting onto PR/3 type rails – according to IEC 60715 Std., “TH/35” type
- available in standard (grey RAL 7042 colour) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions, where indicated



Please refer to the table on page 148 in order to determine the insulation voltage of the different PTC connection diagrams

(*) value referred to the insulation characteristics of the terminal block



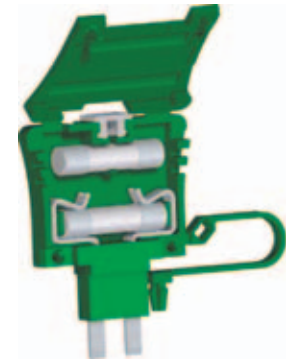
The /GR tag indicates the grey colour version.

Max. dissipated power – In conf. with IEC 60947-7-3						
Terminal block	Voltage [V] (*)	Current [A]	Protection against overload and short circuit		Only protection against short circuit	
			Single configuration (PV) - [W]	Composite configuration (PV) - [W]	Single configuration (PV) - [W]	Composite configuration (PV) - [W]
MPFA.4 + CPF/5	250	6,3	1,6	1,6	4	1,6
DSFA.4 + CPF/5	250	6,3	1,6	1,6	4	1,6
HMFA.2 + CPF/5	250	6,3	1,6	1,6	4	1,6

grey version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section (mm²)	
connecting capacity	
flexible (mm²)	
rigid (mm²)	
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge conf. to IEC 60947-7-1	
rated voltage / rated current / AWG	UL
(Ex e) rated voltage / (V)	
rated impulse withstand voltage / pollution degree	
insulation stripping length (mm)	
tightening torque value (test / max) (Nm)	
height / width / thickness TH/35 7,5 mm	
height / width / thickness TH/35 15 mm	
height / width / thickness G32	

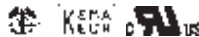
HMFA.2/GR	
Cat. No.	HF300GR
function / type	for blade fuse and component-holder cartridge
rated cross-section (mm²)	2,5
connecting capacity	
flexible (mm²)	0,2 ÷ 4
rigid (mm²)	0,2 ÷ 4
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V (*) / 6,3 A / A3
rated voltage / rated current / AWG	-
(Ex e) rated voltage / (V)	-
rated impulse withstand voltage / pollution degree	4 kV (*) / 3
insulation stripping length (mm)	10
tightening torque value (test / max) (Nm)	-
height / width / thickness TH/35 7,5 mm	41 / 66 / 5,2
height / width / thickness TH/35 15 mm	49 / 66 / 5,2
height / width / thickness G32	- / - / -

CPF/5	
Cat. No.	CPF05
function / type	component-holder cartridge
rated cross-section (mm²)	-
connecting capacity	-
flexible (mm²)	-
rigid (mm²)	-
max. flexible with ferrule (mm²)-ferrule type	-
rated voltage / rated current / gauge conf. to IEC 60947-7-1	320 V (a) / 6,3 A (a) / A5
rated voltage / rated current / AWG	-
(Ex e) rated voltage / (V)	-
rated impulse withstand voltage / pollution degree	4 kV / 3
insulation stripping length (mm)	-
tightening torque value (test / max) (Nm)	-
height / width / thickness TH/35 7,5 mm	(b) / 33 / 6
height / width / thickness TH/35 15 mm	(b) / 33 / 6
height / width / thickness G32	(b) / 33 / 6



The cartridge can contain a spare fuse, instead of the LED signalling circuit.

APPROVALS



ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper (A)	
Increased pitch jumper	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Blade fuses	In = 2 A acc. to DIN 72581/3F ISO 8820 In = 5 A - max voltage 32 V In = 7,5 A In = 15 A
Signal element	
Numbering strip	
Screwdriver for the activation of the spring	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMT.2/1+2/PT/GR	HM511GR
-	-
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	-
-	-
DFH/2	DH02..
-	-
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
F32/2	FN03202
F32/5	FN03205
F32/7	FN03207
F32/15	FN03215
-	-
CNU/8/51	NU0851
CCH/2,5-4	CCH02
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	-
PR/3/AC of steel	PRO03
PR/3/AS same with slots	PRO05

ACCESSORIES		Type	Cat. No.
Marking tag	printed or blank	CNU/8/51	NU0851
Tinned brass conductor	Ø 5 x 20 mm	CO/5	VL103
Cartridge / insert with 1 A diode		SFR/11A (with 1 A diode)	SF992
Cartridge / insert with 3 A diode		SFR/13A (with 3 A diode)	SF993

OUTFITTED VERSIONS		Type	Cat. No.
With non-polarized LED microcircuit	12 Vdc / Vac	CPF/5L12	CPF512
With non-polarized LED microcircuit	24 Vdc / Vac	CPF/5L24	CPF524
With non-polarized LED microcircuit	48 Vdc / Vac	CPF/5L48	CPF548
With non-polarized LED microcircuit	115 Vdc / Vac	CPF/5L115	CPF511
With non-polarized LED microcircuit	230 Vdc / Vac	CPF/5L230	CPF523
With 1 A diode (1N4001 ÷ 1N4007 types)		CPF/5D1A	CPF501
With 3 A diode (BY255 type)		CPF/5D3A	CPF503
With resistor 1200 Ω (1 W ± 5%)		CPF/5R	CPR05

When the cartridge is mounted on HMFA 2 terminals, adjoining one another, a terminal strip must be envisaged between one terminal and the next, because of the pitch differential between terminal and cartridge.

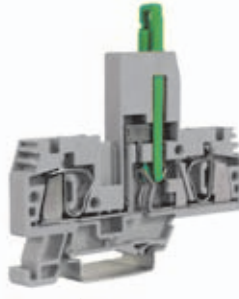
Note:

- (a) with fuse Ø 5 x 20 mm, 250 V, I_{max} = 6,3 A – with brass pin I_{max} = 10 A
- (b) total value, when the cartridge is mounted on terminals, including the mounting rail

H Series

with polyamide insulating body

- for blade fuse (acc. to DIN 72581/3F – ISO 8820) and Ø 5 x 20 mm fuses (fuses supplied separately)
- with possibility of cross connection
- mounting onto PR/3 type rails – according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex) i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated



for Ø 5 x 20 mm fuse



for Ø 5 x 20 mm fuse

Possibility of the insertion of a LSH type indicator (for 12, 24, 48, 115 or 230 V), supplied also separately, equipped with a red coloured LED. The blow-out of the fuse determines the ignition of the LED, with a current flow of approximately 2 mA in a.c. or 5 mA in d.c.

(*) value referred to the insulation characteristics of the terminal block

(**) separate configuration conf. to IEC 60947-7-3

The /GR tag indicates the grey colour version.

grey version

TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES

End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Jumper with increased pitch	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Blade fuses	In = 2 A In = 5 A acc. to DIN 72581/3F ISO 8820 - max voltage 32 V In = 7,5 A In = 15 A
Signal element	
Numbering strip	
Screwdriver for the activation of the spring	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

HMF.4/GR

Cat. No. HF110GR

for Ø 5 x 20 mm fuse	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
630 V (*) / 6,3 A (20 A con CO/5) / A4	
600 V / 20 A / 24-10 AWG	
-	
6 KV / 3	
12	
-	
68 / 80 / 8	
76 / 80 / 8	
- / - / -	



Type	Cat. No.
HMF/PT/GR	HF111GR
-	-
PH/2,5-4	PH100
32	
PHM/2,5-4	PHM01
-	-
DFH/4	DH04..
-	-
SDD/1	DD001
-	-
-	-
-	-
-	-
-	-
-	-
-	-
LSH/** (according to voltage)	LS...
CNU/8/51	NU0851
CCH/2,5-4	CCH02
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT0	BT007
BT/3 for PR/3 only	BT003
-	-
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HMF.4/L12/GR

Cat. No. HF212GR

HMF.4/L24/GR

Cat. No. HF224GR

HMF.4/L48/GR

Cat. No. HF248GR

for fuse and LED circuit	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
630 V (*) / 6,3 A (20 A con CO/5) / A4	
-	
6 KV / 3	
12	
-	
68 / 80 / 8	
76 / 80 / 8	
- / - / -	

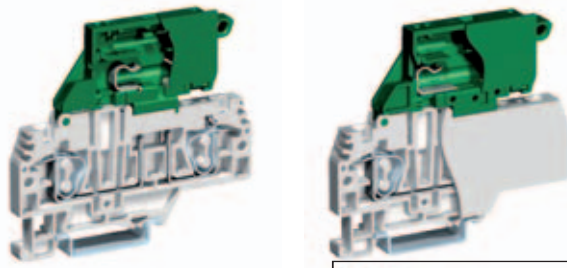
Approvals referred to standard version

Type	Cat. No.
-	-
-	-
PH/2,5-4	PH100
32	
PHM/2,5-4	PHM01
-	-
DFH/4	DH04..
-	-
SDD/1	DD001
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
CNU/8/51	NU0851
CCH/2,5-4	CCH02
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT0	BT007
BT/3 for PR/3 only	BT003
-	-
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

H Series

with polyamide insulating body

- mounting onto PR/3, TH/35 type rails, according to IEC 60715 Std.
- for $\varnothing 5 \times 20$ mm fuses or $\varnothing 6,3 \times 32$ mm fuses (supplied separately) with possibility to detect the fuse-blowout status, by means of a LED micro-circuit (CIL...)
- available in grey (RAL 7042) colour
- "Easy bridge" jumpering system: double insertion possibility of PTC multi-pole cross-connections, without the need of an insulating protection
- coupling possibility with all HMM.4...terminal blocks



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

Tensione di isolamento nelle suddette configurazioni (V) sec. IEC 60947-7-1					
500	500		500 (*)	500	500

The /GR tag indicates the grey colour version.

(*) interposing an end section

grey version	
CARATTERISTICHE TECNICHE	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32
altezza / larghezza / spessore	G32

HFR.4/M/GR	
Type	Cat. No. HF310GR
$\varnothing 5 \times 20$ mm fuse-holder	4
flexible	0,2 ÷ 6
rigid	0,2 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	4 - WP40/16
rated voltage / rated current / gauge	500 V / 6,3 A (10 A con CO/5) / A4
rated voltage / rated current / AWG	-
rated impulse withstand voltage / pollution degree	-
insulation stripping length	4 KV / 3
tightening torque value (test / max)	12
height / width / thickness	70 / 78 / 6,2
height / width / thickness	78 / 78 / 6,2
altezza / larghezza / spessore	- / - / -

HFR.4/GR	
Type	Cat. No. HF210GR
$\varnothing 6,3 \times 32$ mm fuse-holder	4
flexible	0,2 ÷ 6
rigid	0,2 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	4 - WP40/16
rated voltage / rated current / gauge	500 V / 10 A / A4
rated voltage / rated current / AWG	-
rated impulse withstand voltage / pollution degree	-
insulation stripping length	4 KV / 3
tightening torque value (test / max)	12
height / width / thickness	70 / 78 / 8,2
height / width / thickness	78 / 78 / 8,2
altezza / larghezza / spessore	- / - / -

(*) Only for the connection of max. two adjacent terminal blocks
It is possible to cross-connect terminal block HFR.4/M/GR also with types HMM.4/... positioned immediately adjacent

APPROVALS

ACCESSORIES	
End sections	grey beige
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross connection identification strip (100 mm)	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Spina di derivazione	
Fusibile miniatura	$\varnothing 5 \times 20$ mm
Elemento conduttore	$\varnothing 5 \times 20$ mm
Lampada al neon	$\varnothing 6 \times 26$ mm
LED circuit composed by:	
- 2 contacts	
- 1 micro-circuit	
- 1 transparent cover	
Terminal block with LED 12 ÷ 48 V non polarised micro-circuit	
Terminal block with LED 115 ÷ 230 V non polarised micro-circuit	
Numbering strip	
Screwdriver for the activation of the spring	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HFR.4/PT/GR	HF211GR
-	-
PTC/5/02 poli	PTC0502
PTC/5/03 poli	PTC0503
PTC/5/05 poli	PTC0505
PTC/5/10 poli	PTC0510
PTC/5/00 (40 poli)	PTC0500
32	
PTC/SP	PTC0990
-	-
DFH/4	DH04..
SDD/1	DD001
F5/...	FN...
CO/5	VL103
-	-
CIL/HFR/M/12-48	HF518M
CIL/HFR/M/115-230	HF510M
-	-
HFR.4/M/GR/C12-48	HF918MGR
HFR.4/M/GR/C115-230	HF910MGR
CNU/8/61	NU0861
CCH/2,5-4	CCH02
CNU/8/51	NU0851
-	-
BTU per PR/DIN e PR/3	BT005
BTO	BT007
BT/3 solo per PR/3	BT003
-	-
PR/3/AC in acciaio	PR003
PR/3/AS idem con asole	PR005

Type	Cat. No.
HFR.4/PT/GR	HF211GR
-	-
PTC/51/02 poli	PTC5102
PTC/51/03 poli	PTC5103
PTC/51/05 poli	PTC5105
PTC/51/10 poli	PTC5110
PTC/51/00 (30 poli)	PTC5100
32	
PTC/SP	PTC0990
-	-
DFH/4	DH04..
SDD/1	DD001
-	-
LSN	FL202
CIL/HFR/M/12-48	HF518
CIL/HFR/M/115-230	HF510
-	-
HFR.4/GR/C12-48	HF918GR
HFR.4/GR/C115-230	HF910GR
-	-
CCH/2,5-4	CCH02
-	-
BTU per PR/DIN e PR/3	BT005
BTO	BT007
BT/3 solo per PR/3	BT003
-	-
PR/3/AC in acciaio	PR003
PR/3/AS idem con asole	PR005

H Series

with polyamide insulating body

- for 5.08 mm pitch female connectors - on two levels
- mounting onto PR/3 type rails – according to IEC 60715 Std., “TH/35” type
- double possibility to house PTC – “easy bridge” multi-pole cross connection, on each level
- available in standard (grey RAL 7042 colour) or (Ex) i “intrinsic safety” circuits (blue RAL 5015 colour) versions, where indicated



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
320	320		320	320	320

The /GR tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32
APPROVALS	
ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Lug protection cover	10 poles
Numbering strip	
Screwdriver for the activation of the spring	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

HCD.1/GR	Cat. No. HC200GR
HCD.1 (Ex)i	Cat. No. HC210
2 level feed-through with 2 screw connections and 2 pins for connectors 1,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
320 V / 12 A / B2	
300 V / 12 A / 26-14 AWG	
-	
6 KV / 3	
10	
-	
59 / 72 / 5,08	
67 / 72 / 5,08	
- / - / -	



Type	Cat. No.
HCD.1/PT/GR	HC201GR
-	
HCD.1/PT(Ex)i	HC211
PTC/2/02 poles	PTC0202
PTC/2/03 poles	PTC0203
PTC/2/05 poles	PTC0205
PTC/2/10 poles	PTC0210
PTC/2/00 (50 poles)	PTC0200
24	
-	
DFU/7	DU07..
DFM/500	DF500
-	
-	
-	
VPC/VT	VP102
CNU/8/51	NU0851
CCH/2,5-4	CCH02
CNU/8/51	NU0851
BT0	BT007
-	
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

detail of PTC jumper with DFM/500 barriers, SNZ/508 numbering strips and VPC/VT lug protection covers



detail with 5.08 mm female connectors inserted on the two levels and the lug protection covers raised



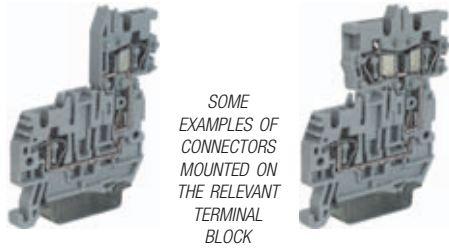
Female connectors, 90° - 5.08 mm pitch and with a number of poles from 2 to 16, are available. The connector can be easily inserted until it reaches its blocking position, guaranteeing optimum connection onto the male contact. In such a position the connector is hooked onto the insulating body of the terminal block by means of a tooth, of which it is equipped.

VPC/F02 - 2 poles	Cat. No. VP902
VPC/F03 - 3 poles	Cat. No. VP903
VPC/F04 - 4 poles	Cat. No. VP904
VPC/F05 - 5 poles	Cat. No. VP905
VPC/F06 - 6 poles	Cat. No. VP906
VPC/F07 - 7 poles	Cat. No. VP907
VPC/F08 - 8 poles	Cat. No. VP908
VPC/F09 - 9 poles	Cat. No. VP909
VPC/F10 - 10 poles	Cat. No. VP910
VPC/F11 - 11 poles	Cat. No. VP911
VPC/F12 - 12 poles	Cat. No. VP912
VPC/F13 - 13 poles	Cat. No. VP913
VPC/F14 - 14 poles	Cat. No. VP914
VPC/F15 - 15 poles	Cat. No. VP915
VPC/F16 - 16 poles	Cat. No. VP916

H Series

with polyamide insulating body

- spring system with connector plug (patented)
- Easy Bridge cross connection system (patented)
- available in grey RAL 7042 colour



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

Terminal block	Jumper	Insulation voltage in the above configurations (V) acc. to IEC 60947-7-1				
HVPC.2/GR	PTC/03	500	500	500 (*)	500	500
CHP2(D)/GR	PTC/03	500 (630)	500	400 (*)	-	-

The /GR tag indicates the grey colour version.

(*) with end plate interposed also on the connector (**) dimensions with inserted connector

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HVPC.2/GR	
Cat. No. HVP300GR	
spring type for connectors	2,5
flexible	0,2 ÷ 4
rigid	0,2 ÷ 4
max. flexible with ferrule (mm ²)-ferrule type	2,5 - WP25/14
rated voltage / rated current / gauge	800 V / 24 A / A3
rated voltage / rated current / AWG	-
(Ex e) rated voltage	-
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length	10
tightening torque value (test / max)	-
height / width / thickness	41 / 50 / 5,2
height / width / thickness	49 / 50 / 5,2
height / width / thickness	- / - / -

CHP.2/GR	
Cat. No. HVP900GR	
female connector for one conductor	2,5
flexible	0,2 ÷ 4
rigid	0,2 ÷ 4
max. flexible with ferrule (mm ²)-ferrule type	2,5 - WP25/14
rated voltage / rated current / gauge	500 V / 24 A / A3
rated voltage / rated current / AWG	-
(Ex e) rated voltage	-
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length	10
tightening torque value (test / max)	-
height / width / thickness	67 (**) / 58 (**) / 5,2
height / width / thickness	75 (**) / 58 (**) / 5,2
height / width / thickness	-

CHP.2D/GR	
Cat. No. HVP910GR	
female connector for two conductors	2,5
flexible	0,2 ÷ 4
rigid	0,2 ÷ 4
max. flexible with ferrule (mm ²)-ferrule type	2,5 - WP25/14
rated voltage / rated current / gauge	500 V / 24 A / A3
rated voltage / rated current / AWG	-
(Ex e) rated voltage	-
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length	10
tightening torque value (test / max)	-
height / width / thickness	67 (**) / 58 (**) / 5,2
height / width / thickness	75 (**) / 58 (**) / 5,2
height / width / thickness	-

APPROVALS



UL and cUL pending



UL and cUL pending



UL and cUL pending

ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Lug protection cover	10 poles
Numbering strip	
Screwdriver for the activation of the spring	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HVPC.2/PT/GR	HVP301GR
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/1	DH01..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
-	
CNU/8/51	NU0851
CCH/2,5-4	CCH02
CNU/8/51	NU0851
-	
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

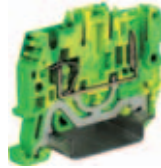
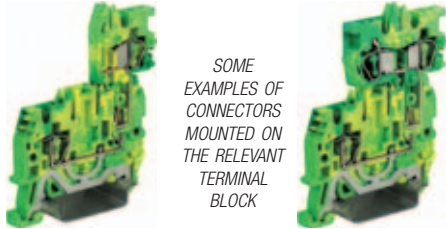
Type	Cat. No.
CHP2/PT/GR	HVP901GR
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/1	DH01..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
-	
CNU/8/51	NU0851
CCH/2,5-4	CCH02
CNU/8/51	NU0851
-	
-	
-	

Type	Cat. No.
CHP.2D/PT/GR	HVP911GR
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/1	DH01..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
-	
CNU/8/51	NU0851
CCH/2,5-4	CCH02
CNU/8/51	NU0851
-	
-	
-	

H Series

with polyamide insulating body

- spring system with connector plug for earth connections (patented)
- Easy Bridge cross connection system (patented)



(**) dimensions with inserted connector

yellow/green version	HVTE.2 Cat. No. HVT500	CHTE.2 Cat. No. HVT900	CHTE.2D Cat. No. HVT910
TECHNICAL CHARACTERISTICS			
function / type	earth spring type for connectors	female connector for one conductor	female connector for two conductors
rated cross-section (mm ²)	2,5	2,5	2,5
connecting capacity			
flexible (mm ²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
rigid (mm ²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
max. flexible with ferrule (mm ²)-ferrule type	2,5 - WP25/14	2,5 - WP25/14	2,5 - WP25/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A3	- / - / A3	- / - / A3
rated voltage / rated current / AWG UL	-	-	-
(Ex e) rated voltage / (V)	-	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	10	10	10
tightening torque value (test / max) (Nm)	-	-	-
height / width / thickness TH/35 7,5 mm	41 / 50 / 5,2	67 (**)/ 58 (**)/ 5,2	67 (**)/ 58 (**)/ 5,2
height / width / thickness TH/35 15 mm	49 / 50 / 5,2	75 (**)/ 58 (**)/ 5,2	75 (**)/ 58 (**)/ 5,2
height / width / thickness G32	- / - / -	-	-
APPROVALS			
ACCESSORIES	Type Cat. No.	Type Cat. No.	Type Cat. No.
End sections yellow/green	HVPC.2/PT/GR HVP301GR	CHP2/PT/GR HVP301GR	CHP2D/PT/GR HVP911GR
Permanent cross connection (intrinsically IPXXB protected once mounted)	-	PTC/03/02 poles PTC0302	PTC/03/02 poles PTC0302
		PTC/03/03 poles PTC0303	PTC/03/03 poles PTC0303
		PTC/03/05 poles PTC0305	PTC/03/05 poles PTC0305
		PTC/03/10 poles PTC0310	PTC/03/10 poles PTC0310
		PTC/03/00 (47 poles) PTC0300	PTC/03/00 (47 poles) PTC0300
Rated current carrying capacity of jumper (A)	24	24	24
Multiple common bar 250 mm	PTC/SP PTC0990	PTC/SP PTC0990	PTC/SP PTC0990
Shunting screw and sleeve	-	-	-
Coloured partition red, green, white	DFH/1 DH01..	DFH/1 DH01..	DFH/1 DH01..
Cross connection barrier red	-	-	-
Test plug socket	-	-	-
Test plug	SDD/1 DD001	SDD/1 DD001	SDD/1 DD001
Modular test plug	-	SDH/5 DH005	SDH/5 DH005
End section for modular test plug	-	SH5/PT DH501	SH5/PT DH501
Lug protection cover 10 poles	-	-	-
Numbering strip	CNU/8/51 NU0851	CNU/8/51 NU0851	CNU/8/51 NU0851
Screwdriver for the activation of the spring	CCH/2,5-4 CCH02	CCH/2,5-4 CCH02	CCH/2,5-4 CCH02
Marking tag printed or blank	CNU/8/51 NU0851	CNU/8/51 NU0851	CNU/8/51 NU0851
End bracket	BTU for PR/DIN and PR/3 BT005	-	-
	BTO BT007	-	-
	BT/3 for PR/3 only BT003	-	-
Mounting rail according to IEC 60715 Std.	-	-	-
	PR/3/AC of steel PR003	-	-
	PR/3/AS same with slots PR005	-	-

H Series

Mini terminal blocks with polyamide insulating body

- UL94V-0
- mounting onto PR/2 type rails, TH/15 type
- available in standard (grey RAL 7035 colour) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions, where indicated



Modular test plug



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
400	400		800 (PT)	500	400

The /GR tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/15 5,5 mm

HPP.2/GR	Cat. No. HP170GR
HPP.2 (Ex)i	Cat. No. HI132
feed-through	2,5
0,2 ÷ 4	0,2 ÷ 4
2,5 - WP25/14	2,5 - WP25/14
800 V / 24 A / A3	800 V / 24 A / A3
600 V / 24 A / 24-12 AWG	600 V / 24 A / 24-12 AWG
(*)	(*)
8 KV / 3	8 KV / 3
10	10
-	-
35 / 36 / 5,2	35 / 36 / 5,2

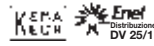
HP.2/GR	Cat. No. HP150GR
HP.2 (Ex)i	Cat. No. HI130
feed-through	2,5
0,2 ÷ 4	0,2 ÷ 4
2,5 - WP25/14	2,5 - WP25/14
800 V / 24 A / A3	800 V / 24 A / A3
600 V / 24 A / 24-12 AWG	600 V / 24 A / 24-12 AWG
(*)	(*)
8 KV / 3	8 KV / 3
10	10
-	-
30 / 36 / 5,2	30 / 36 / 5,2

In electrical panels where the space is particularly limited but there is nevertheless the requirement of high cable connection density, Cabur offers, also in spring-clamp technology, a series of mini terminal blocks suited for the connection of conductors up to 4 mm².

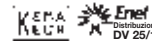
The range consists of three versions, for panel mount (by means of screw or clip) and for the IEC 60715, 15 mm PR/2 rail mount.

The particular configuration of the insulating body of the three types of terminal blocks allows the perfect matching between anyone of them, even of different versions, in order to guarantee maximum flexibility.

APPROVALS



Update UL and cUL pending



Update UL and cUL pending

ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross connection identification strip (100 mm)	green
Coloured partition	red, green, white
Numbering strip	
Screwdriver for the activation of the spring	
Modular test plug	
End section for modular test plug	
Test plug	
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HP/PT/GR	HP101GR
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
DFP/2	DFP2..
SHZ/2	SH001
CCH/2,5-4	CCH02
SDH/5	DH005
SH5/PT	DH501
SDD/1	DD001
BT/2 for PR/2 only	BT006
-	-
-	-
-	-
PR/2/AC of steel	PR009
PR/2/AS same with slots	PR010

Type	Cat. No.
HPV/PT/GR	HV111GR
-	-
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
DFP/2	DFP2..
SHZ/2	SH001
CCH/2,5-4	CCH02
SDH/5	DH005
SH5/PT	DH501
SDD/1	DD001
BT/2 for PR/2 only	BT006
-	-
-	-
-	-

SUGGESTED COMPOSITION: for the mounting of terminal boards formed by terminal blocks type **HPP.2/GR** it is highly recommended to use together **HP.2/GR** and **HPP.2/GR** in a 4 to 1 ratio. Whenever there is the need to dismount the terminal board assembled in such a way, it is recommended to separate each group composed by a **HPP.2/GR** and dismount them one at a time, with the aid of an appropriate screwdriver (CCH/2,5-4) and acting in the appropriate slots of the insulating wall of the terminal blocks

HPC Series

with polyamide insulating body

- UL94V-0
- panel mount by means of clips
- panel thickness 0,6 ÷ 1,2 mm
- fixing hole Ø 3,5 mm
- available in standard (grey RAL 7042 colour) or (Ex) i “intrinsic safety” circuits (blue RAL 5015 colour) versions, where indicated



Modular test plug

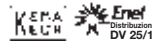


PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
400	400		800 (PT)	400	400

The **/GR** tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/15 5,5 mm

HPC.2/GR	Cat. No. HP160GR
HPC.2 (Ex)i	Cat. No. HI131
passante	2,5
	0,2 ÷ 4
	0,2 ÷ 4
	2,5 - WP25/14
	800 V / 24 A / A3
	600 V / 24 A / 24-12 AWG
	(*)
	8 KV / 3
	10
	-
	30 / 36 / 5,2



Update UL and cUL pending

APPROVALS	
ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross connection identification strip (100 mm)	green
Coloured partition	red, green, white
Numbering strip	
Screwdriver for the activation of the spring	
Modular test plug	
End section for modular test plug	
Test plug	
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HPV/PT/GR	HV111GR
-	
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
DFP/2	DH02..
SHZ/2	SH001
CCH/2,5-4	CCH02
SDH/5	DH005
SH5/PT	DH501
SDD/1	DD001
BT/2 for PR/2 only	BT006
-	
-	
-	
PR/2/AC of steel	PR009
PR/2/AS same with slots	PR010

In electrical panels where the space is particularly limited but there is nevertheless the requirement of high cable connection density, Cabur offers, also in spring-clamp technology, a series of mini terminal blocks suited for the connection of conductors up to 4 mm².

The range consists of three versions, for panel mount (by means of screw or clip) and for the IEC 60715, 15 mm PR/2 rail mount.

The particular configuration of the insulating body of the three types of terminal blocks allows the perfect matching between anyone of them, even of different versions, in order to guarantee maximum flexibility.

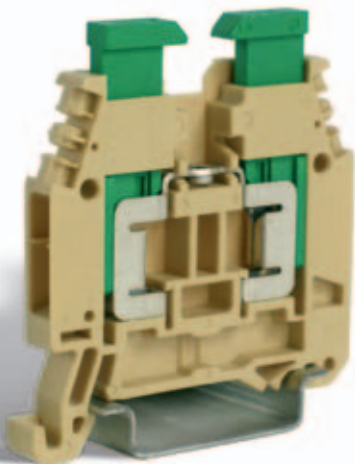
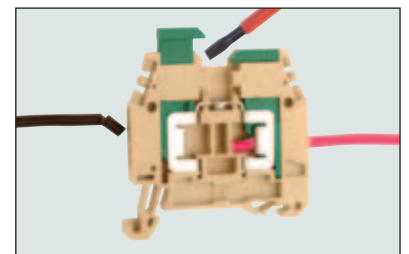
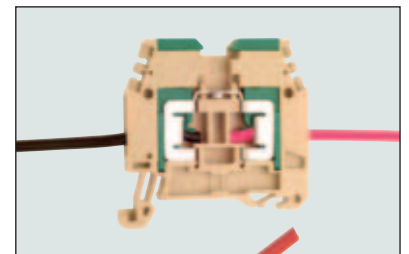
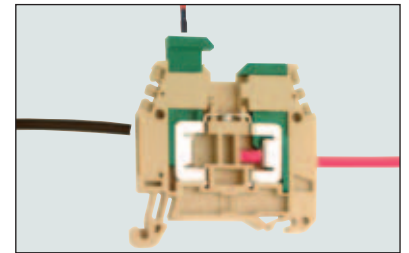
Insulation displacement terminal blocks

NCS terminal block is an excellent solution for the quick and safe connection of conductors having small cross-section. This system in fact minimises connection time as neither preparing the conductor nor tightening the screws is necessary. All that needs to be done is to trim the conductor and, unlike what happens in other types of connection that require an appropriate insulation stripping, introduce the end of the wire in the upper part of the conductor insertion hole. At this point the simple action, performed by the operator's fingers or with the aid of a screwdriver, of applying pressure on the tapper, guides the conductor through a fork in the conducting body, with a resulting cut in the insulation and thus creating electrical contact.

In operational position, the conductor is placed in the lower part of its introduction hole. What needs to be pointed out is that the described connection can either be performed without any tool or simply with the aid of a normal screwdriver, always at hand for any operator.

The metallic part, which covers both the functions of conducting body and wire connections, is made in a special copper alloy; it ensures the best resistance to every aggressive agent and, thanks to its own elasticity, a high number of operations (more than 50), always guaranteeing reliable electrical contacts. The particular shape and angle of the fork, suited for the displacement of the insulation and to the contact, further avoids the conductor from accidentally slipping out of place. It is equally simple to remove the conductor from the terminal block: once again, with the use of a screwdriver (please refer to the image) it is

possible to lift the tapper which, in its lower part, is shaped in a way as to pull the conductor out of the contact area with the fork, freeing it for the extraction. Once extracted, if the conductor must be re-connected, it must be trimmed and the above described procedure must be repeated once again.



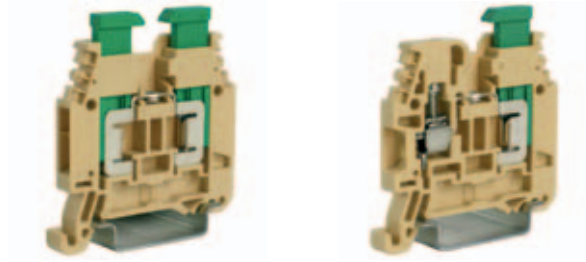
Note:

alongside the NCS terminal block, the NCV version is also available: this version offers on one side the I.D.C. (Insulation Displacement Connection), and on the other the traditional screw-clamp connection. Such solution can become particularly useful in case of "field" needs of larger conductors (up to a maximum of 6 mm²) or where is nevertheless requested to guarantee to the end user the use of screw-clamp connection.

NCS/V Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type



beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

NCS	
Cat. No.	NC100
feed-through	
	1,5
	0,5 ÷ 1,5
	0,5 ÷ 1
	-
	800 V / 15 A / -
	600 V / 15 A / 20-16 AWG
	8 KV / 3
	-
	47 (53 with taper raised) / 48 / 6,2
	55 (61 with taper raised) / 48 / 6,2
	-

NCV	
Cat. No.	NC200
version with 1 screw connection	
	4 / 1,5
	0,2 ÷ 6 / 0,5 ÷ 1,5
	0,2 ÷ 6 / 0,5 ÷ 1
	4 - WP40/16 (screw connection side)
	800 V / 15 A / A4
	600 V / 15 A / 20-16 AWG / 8,9 lb.in.
	8 KV / 3
	-
	47 (53 with taper raised) / 48 / 6,2
	55 (61 with taper raised) / 48 / 6,2
	-

APPROVALS



ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
-	
NCS/PT	NC101
-	
POF/99	POF99
-	
24	
PMP/02	PMP02
CPM/99	CPM99
DFU/02	DU02..
-	
-	
-	
SHZ/60	SH007
-	
-	
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	
NCS/PT	NC101
-	
POF/99	POF99
-	
24	
PMP/02	PMP02
CPM/99	CPM99
DFU/02	DU02..
-	
-	
-	
SHZ/60	SH007
-	
-	
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Screw-clamp terminal blocks



Melamine insulated

Feed-through and high current terminal blocks

EDM series	pages 98-101
SV series	pages 102-104

Terminal blocks for test and measurement circuits

SCX.10 series	pages 105-107
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Fuse-holder and diode-holder terminal blocks

SFC.10 - SFL.10 - FLD.10/F5	page 108
FLD.10/F6 - FLD.10/F5L - FLD.10/D	page 109
VLM.10 - VLM.10/O - VL.16	page 110
VL.16/O - VL.16/O-R - VL.16/O-M	page 111

Terminal blocks for thermocouples circuits

TC/DIN	page 112
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High current terminal blocks

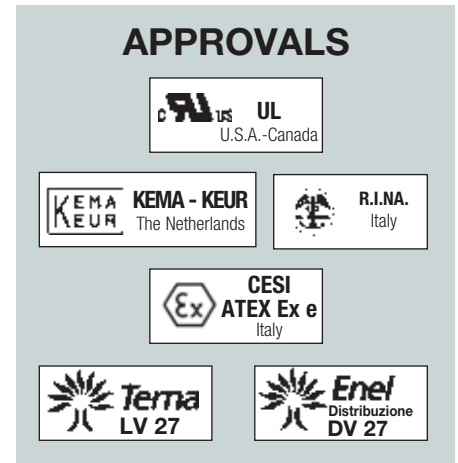
CDA series	pages 113-118
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All melamine terminals and the related accessories are available while stocks last. Contact the Sales Office to verify the product availability.

EDM Series feed-through terminal blocks

with UL94V-0 (5V) melamine
insulating body

All melamine terminals and the related accessories are available while stocks last.
Contact the Sales Office to verify the product availability.



EDM terminal blocks represent the basic series in melamine produced by Cabur, having feed-through function. The whole series consists of eight types, with the following rated cross-sections in mm².

2,5 4 6 10 16 25 35 70

connection type: screw, on both sides, indirect and anti-loosening in response to pressure-plate action. The tightening screws are only accessible using a special screwdriver, and the special shape of the screw-heads make them impossible to lose. The screw tightening system offers the best guarantee of mechanical retention and efficiency under current, and is suitable for the connection of conductors of all cross-sections, with or without special preparation. The actions of tightening and loosening are extremely simple and can be carried out with tools such as screwdrivers, which are always at hand; it is important in any case to use screwdrivers of suitable dimensions and characteristics, in order to avoid damaging the screws or the insulating body.

conducting body: tube type, entirely in copper-zinc alloy with nickel-plating; the characteristics of the material used and the production method are such as to avoid the phenomenon of "seasoning cracking".

tightening reliability: suitable orthogonal grooves on the bottom of the conducting body and on the lower surface of the pressure plates ensure perfect electrical contact with the conductors and an efficient mechanical clamp. The grip is made particularly efficient by the elastic function accomplished by the pressure plate, which, in actual fact, under the pressing action of the screw, tends to bend, thus exerting an applied reaction to the head of the screw itself, which resists loosening, even in cases of dynamic stress.

ease of insertion: the insertion of the conductor in the terminal block is eased by:

- sloping entrance planes
- the rounded edges of the pressure plate
- the ample size of the entrance hole relative to the diameter of the maximum allowed conductor.

other functions: as well as their main function as feed-through terminal blocks, EDM terminal blocks are designed and manufactured in such a way as to carry out other functions. Indeed, through a threaded hole in the upper part of the conducting body, it is possible to:

- create a cross connection, either permanent or switchable, between two adjoining terminal blocks (the partition in the insulating body can be easily removed)
- create a multiple commoning bar connection between different terminal blocks
- insert a test plug socket

marking: all EDM terminal blocks offer the possibility of marking, on either side, using different Cabur systems (see accessories section, numbers CNU/8, SNZ and CSC).

mounting: the melamine terminal blocks in the EDM series are designed to be mounted on PR/DIN mounting rails, which conform to IEC 60715, "G32" type.

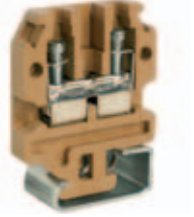
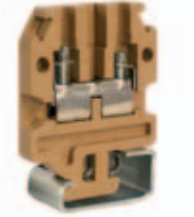
EDM Series

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 03 ATEX 072 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions

Available while stocks last.

Contact the Sales Office to verify the product availability

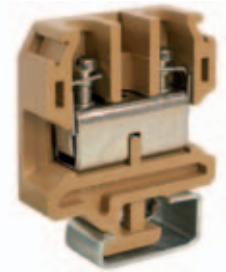
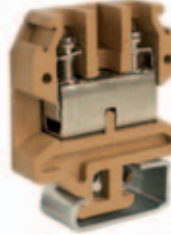
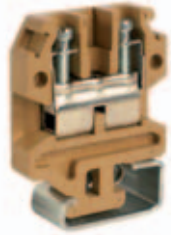


beige version		EDM.2		EDM.4		EDM.6	
	Cat. No. ED110		Cat. No. ED210		Cat. No. ED310		
(Ex)i version		EDM.2 (Ex)i		EDM.4 (Ex)i		EDM.6 (Ex)i	
	Cat. No. EI110		Cat. No. EI210		Cat. No. EI310		
TECHNICAL CHARACTERISTICS							
function / type		feed-through		feed-through		feed-through	
rated cross-section	(mm ²)	2,5		4		70	
connecting capacity							
flexible	(mm ²)	0,5 ÷ 4		0,5 ÷ 6		0,5 ÷ 10	
rigid	(mm ²)	0,5 ÷ 4		0,5 ÷ 6		0,51 ÷ 10	
max. flexible with ferrule (mm ²)-ferrule type		2,5 - WP25/14		4 - WP40/16		6 - WP60/20	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	800 V / 24 A / A3		800 V / 32 A / A4		800 V / 41 A / A5	
rated voltage / rated current / AWG / tightening torque value	UL	600 V / 20 A / 20 ÷ 12 AWG / 5,5 lb.in		600 V / 30 A / 20 ÷ 10 AWG / 8,9 lb.in		600 V / 50 A / 20 - 8 AWG / 13,3 lb.in	
(Ex e) rated voltage	(V)	500		500		500	
rated impulse withstand voltage / pollution degree		8 KV / 3		8 KV / 3		8 KV / 3	
insulation stripping length	(mm)	13		14		14	
tightening torque value (test / max)	(Nm)	0,4 / 0,8		0,5 / 1,2		0,8 / 1,4	
height / width / thickness	TH/35 7,5 mm	-		-		-	
height / width / thickness	TH/35 15 mm	-		-		-	
height / width / thickness	G32	52 / 36 / 5,5		57 / 42 / 6,5		57 / 42 / 8	
APPROVALS							
ACCESSORIES							
End sections	beige blue	EDM/2/PT	ED111	EDM/4-10/PT	ED401	EDM/4-10/PT	ED401
Permanent cross connection		EDM/2/PT (Ex)i	EI111	EDM/4-10/PT (Ex)i	EI401	EDM/4-10/PT (Ex)i	EI401
Rated current carrying capacity of jumper	(A)	PM/20/2 poles	PM202	PM/40/2 poles	PM402	PM/60/2 poles	PM602
Switchable cross connection		PM/20/3 poles	PM203	PM/40/3 poles	PM403	PM/60/3 poles	PM603
Multiple common bar	250 mm	PM/20/5 poles	PM205	PM/40/5 poles	PM405	PM/60/5 poles	PM605
Shunting screw and sleeve (same, Ex e version)		PM/20/10 poles	PM210	PM/40/10 poles	PM400	PM/60/10 poles	PM610
Coloured partition	red, green, white	24		32		41	
Cross connection barrier	red	POS/11	POS11	POS/42	POS42	POS/93	POS93
Test plug socket		PMP/01	PMP01	PMP/42	PMP42	PMP/13	PMP13
Test plug		CPM/21 (CPX/21)	CPM21 (CPX21)	CPM/12 (CPX/12)	CPM12 (CPX12)	CPM/83 (CPX/83)	CPM83 (CPX83)
Modular test plug		DFU/1	DU01..	DFU/4	DU04..	DFU/4	DU04..
End section for modular test plug		PSD/D	PD004	PSD/A	PD001	PSD/N	PD013
Numbering strip		SDD/1	DD001	SDD/1	DD001	SDD/1	DD001
Warning plate	on adjacent terminal blocks	-		-		-	
Cover for cross-connection		-		-		-	
Marking tag	printed or blank	TUM/01 on 4	TQM02	TTM/12 on 3 and on 4	TTM12	TTM/15 on 3	TTM12
End bracket		-		-		TQM/15 on 4	TQM15
Mounting rail		PRP/6	PRP06	PRP/6	PRP06	PRP/7	PRP07
according to IEC 60715 Std.		CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
		CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...
		BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001
		-		-		-	
		PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
		PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
		PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
		-		-		-	
		-		-		-	

EDM Series

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 03 ATEX 072 U Ex e** certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



Available while stocks last.

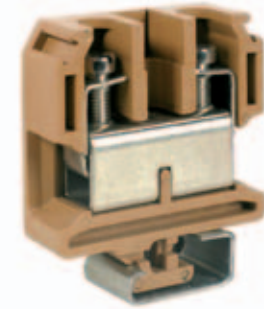
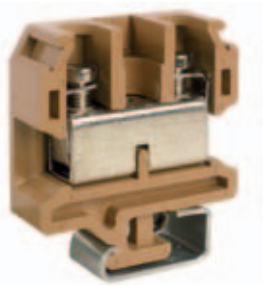
Contact the Sales Office to verify the product availability

beige version		EDM.10		EDM.16		EDM.25	
	Cat. No. ED400	Cat. No. ED500	Cat. No. ED600				
(Ex)i version		EDM.10 (Ex)i		EDM.16 (Ex)i		EDM.25 (Ex)i	
	Cat. No. EI400	Cat. No. EI500	Cat. No. EI600				
TECHNICAL CHARACTERISTICS							
function / type		feed-through		feed-through		feed-through	
rated cross-section	(mm ²)	10		16		25	
connecting capacity							
flexible	(mm ²)	0,5 ÷ 16		0,5 ÷ 25		0,5 ÷ 50	
rigid	(mm ²)	0,5 ÷ 16		0,5 ÷ 25		0,51 ÷ 50	
max. flexible with ferrule (mm ²)-ferrule type		10 - WP100/21		4 - WP160/22		25 - WP250/29	
rated voltage / rated current / gauge conf. to IEC 60947-7-1		800 V / 57 A / B6		800 V / 76 A / B7		800 V / 101 A / B8	
rated voltage / rated current / AWG / tightening torque value UL		600 V / 50 A / 20 ÷ 8 AWG / 13,3 lb.in		600 V / 100 A / 20-3 AWG / 19,9 lb.in		600 V / 100 A / 16 - 3 AWG / 22,1 lb.in	
(Ex e) rated voltage / (V)		500		500		630	
rated impulse withstand voltage / pollution degree		8 KV / 3		8 KV / 3		8 KV / 3	
insulation stripping length	(mm)	15		17		19	
tightening torque value (test / max)	(Nm)	1,2 / 1,9		1,8 / 3		2 / 3	
height / width / thickness	TH/35 7,5 mm	-		-		-	
height / width / thickness	TH/35 15 mm	-		-		-	
height / width / thickness	G32	57 / 42 / 10		58 / 45 / 12		64 / 52 / 16	
APPROVALS							
ACCESSORIES							
End sections	beige blue	EDM/4-10/PT	ED401	EDM/16/PT	ED501	EDM/25/PT	ED601
Permanent cross connection		EDM/4-10/PT (Ex)i	EI401	EDM/16/PT (Ex)i	EI501	EDM/25/PT (Ex)i	EI601
Rated current carrying capacity of jumper	(A)	PM/10/2 poles (pre-assembled)PM102		POF/05 (PFX/05)	POF05 (PFX05)	POF/06 (PFX/06)	POF06 (PFX06)
Switchable cross connection		PM/10/3 poles (pre-assembled)PM103		(same, Ex e version)		(same, Ex e version)	
Multiple common bar	250 mm	PM/10/5 poles (pre-assembled)PM105					
Shunting screw and sleeve (same, Ex e version)		PM/10/10 poles (pre-assembled)PM100					
Coloured partition	red, green, white	57		76		125	
Cross connection barrier	red	POS/04	POS44	POS/04	POS44	POS/66	POS66
Test plug socket		PMP/04	PMP04	PMP/05	PMP05	PMP/06	PMP06
Test plug		CPM/03 (CPX/03)	CPM03 (CPX03)	CPM/05 (CPX/05)	CPM05 (CPX05)	CPM/06 (CPX/06)	CPM06 (CPX06)
Modular test plug		DFU/4	DU04..	DFU/4	DU04..	DFU/5	DU05..
End section for modular test plug		-		-		-	
Numbering strip		PSD/B	PD002	PSD/B	PD002	PSD/B	PD002
Warning plate	on adjacent terminal blocks	SDD/2	DD002	SDD/2	DD002	SDD/2	DD001
Cover for cross-connection		-		-		-	
Marking tag	printed or blank	-		-		-	
End bracket		-		-		-	
Mounting rail according to IEC 60715 Std.		TTM/04 on 3	TTM04	TUM/05 on 3 and on 4	TUM05	TUM/06 on 3 and on 4	TUM06
		TQM/04 on 4	TQM04	-		-	
		PRP/7	PRP07	PRP/7	PRP07	PRP/8	PRP08
		CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
		CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...
		BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001
		-		-		-	
		PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
		PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
		PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
		-		-		-	
		-		-		-	

EDM Series

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 03 ATEX 072 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



Version provided for the connection of an unprepared flexible conductor, up to 50 mm² and of a lug (Ø 6 mm screw with max width 15 mm) or of a bar (2 x 15 mm max).

Available while stocks last.

Contact the Sales Office to verify the product availability

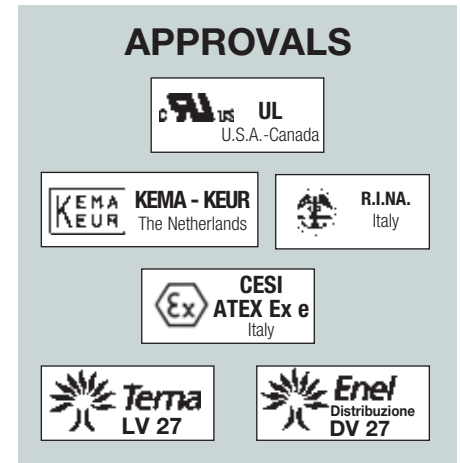
beige version	EDM.35	EDM.70	EDM.70/BC
	Cat. No. ED700	Cat. No. ED820	Cat. No. ED860
(Ex)i version	EDM.35 (Ex)i	EDM.70 (Ex)i	
	Cat. No. EI700	Cat. No. EI810	
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through, bar/cable version
rated cross-section (mm ²)	35	70	50
connecting capacity			
flexible (mm ²)	1,5 ÷ 50	1,5 ÷ 95	1,5 ÷ 50
rigid (mm ²)	1 ÷ 70	1 ÷ 95	1 ÷ 50
max. flexible with ferrule (mm ²)-ferrule type	35 - WP350/30		-
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 125 A / B9	800 V / 192 A / B11	800 V / 192 A / B11
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage / (V)	600 V / 130 A / 16 ÷ 1 AWG / 33,2 lb.in	600 V / 220 A / 12-4/0 AWG / 50 lb.in	-
rated impulse withstand voltage / pollution degree	630	630	-
insulation stripping length (mm)	8 KV / 3	8 KV / 3	8 KV / 3
tightening torque value (test / max) (Nm)	22	24	24
height / width / thickness TH/35 7,5 mm	2,5/ 4	3 / 5	3 / 5
height / width / thickness TH/35 15 mm	-	-	-
height / width / thickness G32	65 / 58 / 18,5	74 / 62 / 21	74 / 62 / 21
			Approvals referred to EDM.70 standard version
APPROVALS			
ACCESSORIES			
End sections	beige	beige	beige
	blue	blue	blue
Permanent cross connection			
Rated current carrying capacity of jumper (A)	EDM/35/PT ED701	EDM/70/PT ED801	EDM/70/PT ED801
Switchable cross connection	EDM/35/PT (Ex)i EI701	EDM/70/PT (Ex)i EI801	-
Multiple common bar 250 mm	POF/07 (PFX/07) POF07 (PFX07)	POF/08 (PFX/08) POF08 (PFX08)	-
Shunting screw and sleeve (same, Ex e version)	(same, Ex e version)	(same, Ex e version)	-
Coloured partition red, green, white	150	192	-
Cross connection barrier red	POS/77 POS77	POS/08 POS08	-
Test plug socket	PMP/07 PMP07	PMP/08 PMP08	-
Test plug	CPM/07 (CPX/07) CPM07 (CPX07)	CPM/08 (CPX/08) CPM08 (CPX08)	-
Modular test plug	DFU/5 DU05..	DFU/6 DU06..	DFU/6 DU06..
End section for modular test plug	-	-	-
Numbering strip	PSD/C PD003	PSD/C PD003	-
Warning plate on adjacent terminal blocks	SDD/2 DD002	SDD/2 DD002	-
Cover for cross-connection	-	-	-
Marking tag printed or blank	-	-	-
End bracket	TUM/07 on 3 and on 4 TUM07	TUM/08 on 3 and on 4 TUM08	TUM/08 on 3 and on 4 TUM08
Mounting rail according to IEC 60715 Std.	PRP/8 PRP08	PRP/8 PRP08	-
	CNU/8/51 NU0851	CNU/8/51 NU0851	CNU/8/51 NU0851
	CSC (with ADR adapter) CS...	CSC (with ADR adapter) CS...	CSC (with ADR adapter) CS...
	BTU for PR/DIN and PR/3 BT005	BTU for PR/DIN and PR/3 BT005	BTU for PR/DIN and PR/3 BT005
	BT/DIN/PO for PR/DIN only BT001	BT/DIN/PO for PR/DIN only BT001	BT/DIN/PO for PR/DIN only BT001
	-	-	-
	PR/DIN/AC of steel PR001	PR/DIN/AC of steel PR001	PR/DIN/AC of steel PR001
	PR/DIN/AS same with slots PR004	PR/DIN/AS same with slots PR004	PR/DIN/AS same with slots PR004
	PR/DIN/AL of aluminium PR002	PR/DIN/AL of aluminium PR002	PR/DIN/AL of aluminium PR002
	-	-	-
	-	-	-

SV Series feed-through terminal blocks

with UL94V-0 (5V) melamine
insulating body

All melamine terminals and the related accessories
are available while stocks last.

Contact the Sales Office to verify the product availability.



SV series is formed by four feed-through terminal blocks in the following rated cross-sections, measured in mm²:

2,5 4 6 10

type of connection: by means of screws, on both sides, indirect and anti-loosening, thanks to the action of the loading springs. The tightening screws are accessible only with an adequate screwdriver and the particular shape of the screws makes it impossible to lose them. The tightening process by screws ensures the best mechanical retention and efficiency of the flow of the current. It is suitable for connection, with or without special preparation, of conductors of all cross-sections. The tightening and loosening operations are extremely simple and they can be performed with tools, such as screwdrivers which are always at hand. It is however important to use an appropriately sized screwdriver in order to avoid damaging either the screw itself or the insulating body.

conducting body and clamping system: it is constituted by wire clamping collars, with captive screws and conducting busbar, entirely made of a nickel plated zinc/copper alloy and with loading springs in passivated zinc plated steel.

tightening reliability: special orthogonal grooves on the inner surfaces of the wire clamping collars and on the surface of the conducting busbar, ensure a perfect electrical contact with the conductors and an efficient mechanical clamp. In presence of vibrations, even of high intensity, the two springs which are placed between the clamping collars and the insulating body, have the “shock absorbing” function. As a consequence, the two systems constituted by, respectively the conductors inwards and outwards from the terminal blocks, connected one to another by the busbar on one side, and by the insulating body of the terminal block fixed onto the rail, on the other side, are in this way completely independent. In addition the antiloosening connection of the conductor is guaranteed by the elasticity of the wire clamping collar, once the screw is under the tightening force of the conductor.

ease of insertion: insertion of the conductor into the terminal block is made easy by:

- sloping entrance planes on the insulating body
- the small tab on the wire clamping collar, which also avoids the insertion out from the collar itself
- a countersink on the lead-in of the collars
- an appropriately sized entrance hole, with reference to the diameter of the maximum permitted conductor. The depth into which the conductor can be inserted is limited by a partition in the insulating body.

other functions: besides their main functions as feed-through, SV terminal blocks are designed in such a way as to carry out other functions. These are:

- to create a cross connection (either permanent or switchable), between two adjoining terminal blocks (by simply eliminating the diaphragm existing in the insulating body)
- create a multiple commoning bar connection between several adjoining terminal blocks
- insert a socket for a test plug

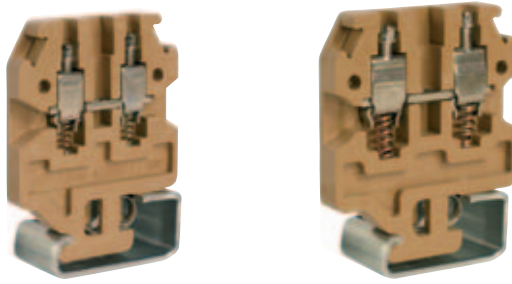
marking: all SV terminal blocks can be marked on both sides by using CNU/8, SNZ or CSC marking tags (the latter system allows the composition of alphanumeric signs up to a maximum of 6 characters (but an ADR adapter is required).

mounting: melamine terminal blocks of SV series are designed to be mounted on PR/DIN mounting rails, according to IEC 60715 Std., “G32” type.

SV Series

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 02 ATEX 135 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



Available while stocks last.

Contact the Sales Office to verify the product availability

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage /	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS



ACCESSORIES	
End sections	beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

SV.2	Cat. No.	SV100
SV.2 (Ex)i	Cat. No.	SI100
feed-through		
2,5		
0,2 ÷ 2,5		
0,2 ÷ 2,5		
2,5 - WP25/14		
800 V / 24 A / A2		
600 V / 15 A / 20-14 AWG / 0,79 Nm		
500		
8 KV / 3		
11		
0,4/ 0,8		
-		
53 / 40 / 5,5		

SV.4	Cat. No.	SV200
SV.4 (Ex)i	Cat. No.	SI200
feed-through		
4		
0,2 ÷ 6		
0,2 ÷ 6		
4 - WP40/16		
800 V / 32 A / A4		
600 V / 20 A / 20-12 AWG / 0,79 Nm		
500		
8 KV / 3		
13		
0,5 / 1,2		
-		
54 / 45 / 7		



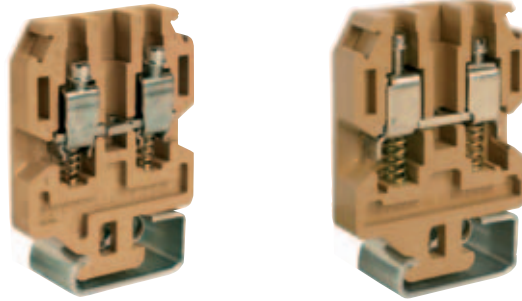
Type	Cat. No.
SV/2/PT	SV101
SV/2/PT (Ex)i	SI101
POF/11 (PFX/11)	POF11 (PFX11)
(same, Ex e version)	
24	
POS/11	POS11
PMP/01	PMP01
CPM/11 (CPX/11)	CPM11 (CPX11)
DFU/4	DU04..
-	
PSD/D	PD004
SDD/1	DD001
-	
-	
-	
TQM/02 on 4	TQM02
-	
-	
CNU/8/51	NU0851
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

Type	Cat. No.
SV/4/PT	SV201
SV/4/PT (Ex)i	SI201
POF/12 (PFX/12)	POF12 (PFX12)
(same, Ex e version)	
32	
POS/12	POS12
PMP/12	PMP12
CPM/12 (CPX/12)	CPM12 (CPX12)
DFU/4	DU04..
-	
PSD/A	PD001
SDD/1	DD001
-	
-	
-	
TTM/12 on 3	TTM12
TQM/12 on 4	TQM12
-	
-	
CNU/8/51	NU0851
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

SV Series

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 02 ATEX 135 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



Available while stocks last.

Contact the Sales Office to verify the product availability

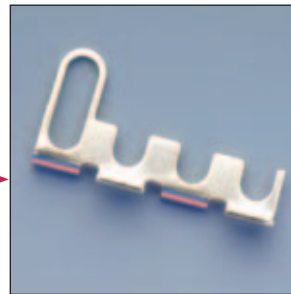
beige version		SV.6		SV.10	
		Cat. No.	SV300	Cat. No.	SV400
(Ex)i version		SV.6 (Ex)i		SV.10 (Ex)i	
		Cat. No.	SI300	Cat. No.	SI400
TECHNICAL CHARACTERISTICS					
function / type		feed-through		feed-through	
rated cross-section	(mm ²)	6		10	
connecting capacity					
flexible	(mm ²)	1,5 ÷ 10		1,5 ÷ 16	
rigid	(mm ²)	1,5 ÷ 10		1,5 ÷ 16	
max. flexible with ferrule (mm ²)-ferrule type		6 - WP60/20		10 - WP100/21	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	800 V / 41 A / A5		800 V / 57 A / B6	
rated voltage / rated current / AWG / tightening torque value	UL	600 V / 30 A / 20-10 AWG / 7 lb.in		600 V / 55 A / 16-6 AWG / 7 lb.in	
(Ex e) rated voltage	(V)	500		630	
rated impulse withstand voltage / pollution degree		8 kV / 3		8 kV / 3	
insulation stripping length	(mm)	13		13	
tightening torque value (test / max)	(Nm)	0,8 / 1,4		1,2 / 1,9	
height / width / thickness		-		-	
height / width / thickness		-		-	
height / width / thickness		63 / 45 / 8		64 / 45 / 10,5	
APPROVALS					
ACCESSORIES					
End sections	beige blue	Type	Cat. No.	Type	Cat. No.
Permanent cross connection		SV/6/PT	SV301	SV/10/PT	SV401
		SV/6/PT (Ex)i	SI301	SV/10/PT (Ex)i	SI401
		POF/13 (PFX/13)	POF13 (PFX13)	POF/14 (PFX/14)	POF14 (PFX14)
		(same, Ex e version)		(same, Ex e version)	
Rated current carrying capacity of jumper	(A)	41		57	
Switchable cross connection		POS/13	POS13	POS/14	POS14
Multiple common bar	250 mm	PMP/13	PMP13	PMP/14	PMP14
Shunting screw and sleeve (same, Ex e version)		CPM/13 (CPX/13)	CPM13 (CPX13)	CPM/14 (CPX/14)	CPM14 (CPX14)
Coloured partition	red, green, white	DFU/5	DU05..	DFU/5	DU05..
Cross connection barrier	red	-		-	
Test plug socket		PSD/E	PD005	PSD/F	PD006
Test plug		SDD/1	DD001	SDD/2	DD001
Modular test plug		-		-	
End section for modular test plug		-		-	
Numbering strip		-		-	
Warning plate	on adjacent terminal blocks	TTM/13 on 3	TTM13	TTM/14 on 3	TTM14
		TQM/13 on 4	TTM13	TQM/12 on 4	TQM14
		-		-	
Cover for cross-connection		CNU/8/51	NU0851	CNU/8/51	NU0851
Marking tag	printed or blank	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...
		BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001
		-		-	
Mounting rail		PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
according to IEC 60715 Std.		PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
		PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
		-		-	
		-		-	

Terminal blocks for test and measurement circuits

All melamine terminals and the related accessories are available while stocks last. Contact the Sales Office to verify the product availability.



SCX/PO/2 Cat. No. SC103



SCX/PO/4 Cat. No. SC104



SCX/CPM Cat. No. SC105

All Cabur feed-through terminal blocks are suited to be employed in test and measurement circuits. Nevertheless, in order to realise in the optimum way the connections of the secondary circuits of measuring current transformers, the use of **SCX** series terminals is recommended; this in fact guarantees:

- high reliability and safety of both switchable and permanent electrical connections
- immediate identification of the function of the components and of the condition of the circuits
- the performing of separate blocks of disconnect and short circuit
- adequate dimensioning, in order to withstand the whole load of the connected conductors.

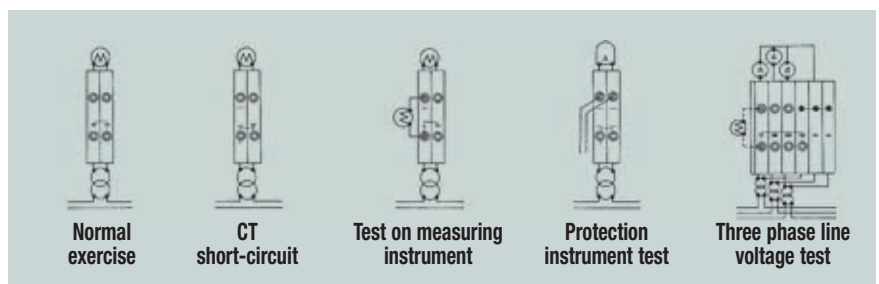
The use of **SCX/PO/2** (for two adjoining terminal blocks) and **SCX/PO/4** (for four adjoining terminal blocks) special cross connections and of **SCX/CPM**, screws and sleeves, enable to link to earth simultaneously the current transformers connected to the terminal blocks themselves, assuring the correct operational sequence. In fact such cross connections, in "open" position, prevent the manoeuvring of the slide links, avoiding the

disconnection of the current carrying circuits.

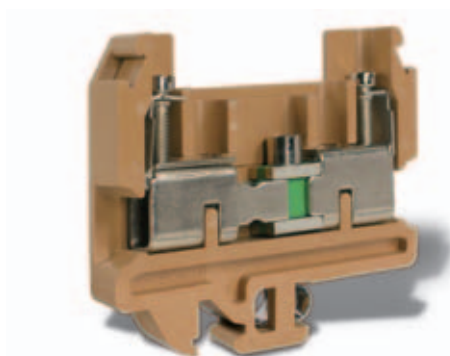
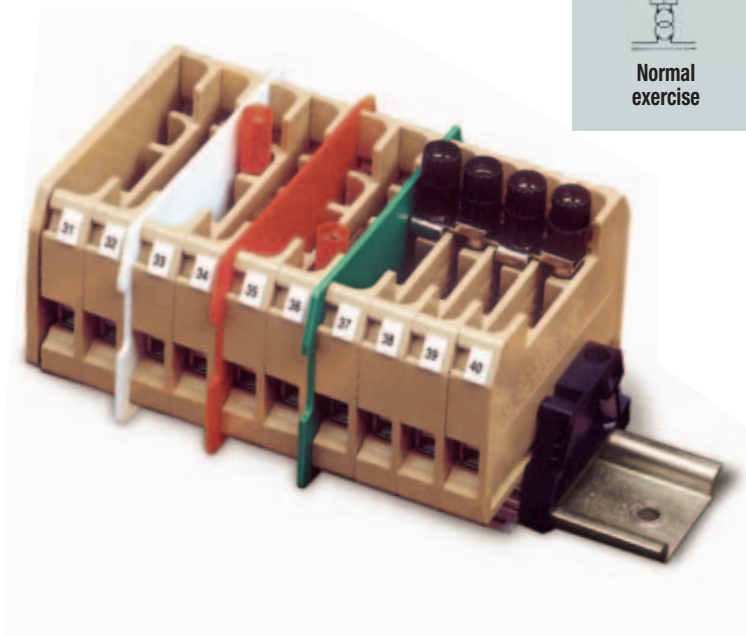
Switchable cross connections, already located outwards in an accident prevention position, must be adequately distanced from both adjoining cross connections and terminal blocks, by enclosing, within end barriers, the disconnect group. It is possible to perform shunts from the SCX.10 terminal block by means of silver plated brass SDD/2 test plugs, which can be inserted:

- in the SCX/CPM sleeves of the switchable cross connection
- in the PSD/L sockets, which can be screwed directly on to the conducting body, in order to perform solely the shunting function

The slide link is constituted by two wipers, locked by a screw inserted in a collar which enables the elastic anti-loosening clamping to the slide link and the easy positioning of the screw driver, during disconnect operations SCX.10 type disconnect terminal blocks enable the composition of various test or control circuits, some of which are shown below.



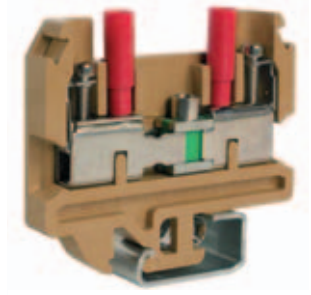
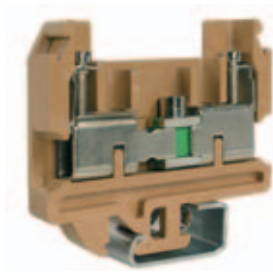
Connection schemes



Disconnect

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN or PR/3 type rails - according to IEC 60715 Std., "G32" and TH/35 types



Available while stocks last.

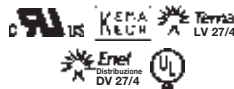
Contact the Sales Office to verify the product availability

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage / (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

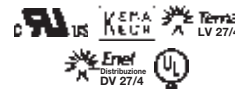
APPROVALS

ACCESSORIES	
End sections	beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Short-circuit plate	between adjoining terminal blocks
Sleeve for bar	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

SCX.10	Cat. No.	SC100
slide link disconnect		
10		
0,5 ÷ 16		
0,5 ÷ 16		
10 - WP100/21		
800 V / 57 A / B6		
600 V / 45 A / 20-8 AWG / 7 lb.in		
-		
8 KV / 3		
14		
1,2 / 1,9		
-		
63 / 73 / 10,5		



SCX.10/0	Cat. No.	SC400
slide link disconnect		
10		
0,5 ÷ 16		
0,5 ÷ 16		
10 - WP100/21		
800 V / 57 A / B6		
600 V / 45 A / 20-8 AWG / 7 lb.in		
-		
8 KV / 3		
14		
1,2 / 1,9		
63 / 73 / 10,5		
71 / 73 / 10,5		
-		



SCX.10/DD	Cat. No.	SC110
slide link disconnect in special configuration		
10		
0,5 ÷ 16		
0,5 ÷ 16		
10 - WP100/21		
800 V / 57 A / B6		
-		
8 KV / 3		
14		
1,2 / 1,9		
72 / 73 / 10,5 (version /0 only)		
80 / 73 / 10,5 (version /0 only)		
72 / 73 / 10,5		



Other approvals referred to SCX.10

Type	Cat. No.
SCX/PT	SC101
POF/56	POF56
57	
PMP/56	PMP56
CPM/56	CPM56
DFU/7	DU07..
PSD/L	PD009
SDD/2	DD002
SCX/PO/2 on 2	SC103
SCX/PO/4 on 4	SC104
SCX/CPM	SC105
CNU/8/51	NU0851
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

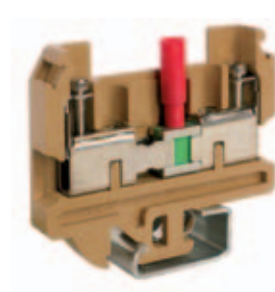
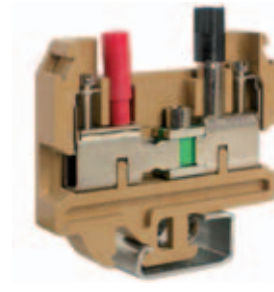
Type	Cat. No.
SCX/PT	SC101
POF/56	POF56
57	
PMP/56	PMP56
CPM/56	CPM56
DFU/7	DU07..
PSD/L	PD009
SDD/2	DD002
SCX/PO/2 on 2	SC103
SCX/PO/4 on 4	SC104
SCX/CPM	SC105
CNU/8/51	NU0851
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/3 for PR/3 only	BT003
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
SCX/PT	SC101
POF/56	POF56
57	
PMP/56	PMP56
CPM/56	CPM56
DFU/7	DU07..
PSD/L	PD009
SDD/2	DD002
SCX/PO/2 on 2	SC103
SCX/PO/4 on 4	SC104
SCX/CPM	SC105
CNU/8/51	NU0851
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002

Disconnect

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN or PR/3 type rails - according to IEC 60715 Std., "G32" and TH/35 types



SCX.10/CD

Slide link disconnect test terminal block that allows longitudinal and transversal disconnection.
Configuration provided with a test plug socket downstream and upstream the slide link, according to the ENEL LV27/2 specifications

NOTE:
Terminal block type SCX.10/PI is also available in the following versions:

Available while stocks last.
Contact the Sales Office to verify the product availability

SCX.10/0-CD Cod. **SC220**
version to be mounted onto rails according to IEC 60715 Std., "TH/35" type

SCX.10/0/PI Cod. **SC500**
SCX.10/PI/CD Cod. **SC230**
SCX.10/PI/DD Cod. **SC240**

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

SCX.10-CD	
Cat. No.	SC120
slide link disconnect in special configuration	
10	
0,5 ÷ 16	
0,5 ÷ 16	
10 - WP100/21	
800 V / 57 A / B6	
-	
-	
8 KV / 3	
14	
1,2 / 1,9	
73 / 73 / 10,5 (version /0 only)	
81 / 73 / 10,5 (version /0 only)	
73 / 73 / 10,5	

SCX.10/PI	
Cat. No.	SC200
disconnect by slide link	
10	
0,5 ÷ 16	
0,5 ÷ 16	
10 - WP100/21	
800 V / 57 A / B6	
-	
-	
8 KV / 3	
14	
1,2 / 1,9	
63 / 73 / 10,5 (version /0 only)	
71 / 73 / 10,5 (version /0 only)	
63 / 73 / 10,5	



Other approvals referred to SCX.10

Approvals referred to SCX.10

APPROVALS

ACCESSORIES	
End sections	beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Short-circuit plate	between adjoining terminal blocks
Sleeve for bar	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
SCX/PT	SC101
-	
POF/56	POF56
-	
57	
-	
PMP/56	PMP56
CPM/56	CPM56
DFU/7	DU07..
-	
PSD/L	PD009
SDD/2	DD002
-	
-	
-	
SCX/PO/2 on 2	SC103
SCX/PO/4 on 4	SC104
SCX/CPM	SC105
CNU/8/51	NU0851
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

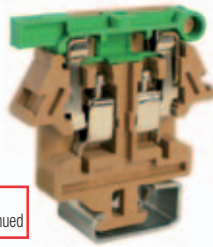
Type	Cat. No.
SCX/PT	SC101
-	
POF/56	POF56
-	
57	
-	
PMP/56	PMP56
CPM/56	CPM56
DFU/7	DU07..
-	
PSD/L	PD009
SDD/2	DD002
-	
-	
-	
SCX/PO/2 on 2	SC103
SCX/PO/4 on 4	SC104
SCX/CPM	SC105
CNU/8/51	NU0851
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

Fuse-holders

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type

to be discontinued



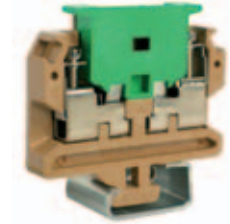
The terminal block is equipped with a lever suited to house:

- SFC/CO, conducting element in order to perform the simple disconnect operation, with shunting possibility.
- Ø 6.3 x 32 mm - 500 V - 25 A max. fuse

NOTE:
the Ø 6.3 x 32 mm fuse is not of our normal supply.



The terminal block is equipped with a lever suited to house a Ø 6.3 x 32 mm - 500 V - 25 A max. fuse and a LED signal circuit. The interruption of the fuse determines the ignition of the LED.



With cartridges suited to house a **F5** - Ø 5 x 20 mm type **fuse** or **CO/5** type - Ø 5 x 20 mm **connecting element** in order to perform the simple disconnection.



CF5
Cat. No. FL404

NOTE:
F5/... type fuse and CO/5 type conducting element are supplied separately.

Available while stocks last.
Contact the Sales Office to verify the product availability

(*) values referred to the insulating characteristics of the terminal block
(**) for simultaneous disconnection of adjoining terminal blocks

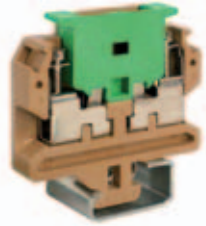
beige version	SFC.10	SFL.10	FLD.10/F5
	Cat. No. FC100	Cat. No. FC200	Cat. No. FL400
TECHNICAL CHARACTERISTICS			
function / type	disconnect by lever fuse-holder	disconnect by lever fuse-holder with LED signal circuit	for fuse or shunting element
rated cross-section (mm ²)	10	10	10
connecting capacity			
flexible (mm ²)	1,5 ÷ 16	1,5 ÷ 16	0,5 ÷ 16
rigid (mm ²)	1,5 ÷ 16	1,5 ÷ 16	0,5 ÷ 16
max. flexible with ferrule (mm ²)-ferrule type	10 - WP100/21	10 - WP100/21	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 10 A (20 with SFC/CO) / B6	800 V (*) / 10 A / B6	800 V (*) / 6,3 A / B6
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	600 V / 15 A / 20-6 AWG / 7 lb.in	300 V / 15 A / 20 ÷ 6 AWG / 7 lb.in	-
rated impulse withstand voltage / pollution degree	8 kV (*) / 3	8 kV (*) / 3	6 kV (*) / 3
insulation stripping length (mm)	16	16	14
tightening torque value (test / max) (Nm)	1,2 / 1,9	1,2 / 1,9	1,2 / 1,9
height / width / thickness	-	-	-
height / width / thickness	-	-	-
height / width / thickness	70 / 69 / 12	75 / 69 / 12	64 / 63 / 11
APPROVALS			
ACCESSORIES			
End sections	beige blue		
Coloured partition	red, green, white		
MSM handle (6 elements) (**)			
Miniature fuse	(5x20mm)		
Conducting element			
LED signal circuit			
Calibration resistance			
Test plug			
Marking tag	printed or blank		
End bracket			
Mounting rail according to IEC 60715 Std.			

Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
SFC/PT	FC101	SFC/PT	FC101	FLD/PT	FL101
DFU/6	DU06..	DFU/6	DU06..	DFU/6	DU06..
MSM	FC103	MSM	FC103	F5/..	FN..ST
SFC/CO	FC102	CIL/12-24-48-115-230	SF5..	CO/5	VL103
SDD/2	DD002	SDD/2	DD002	SDD/2	DD002
CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002

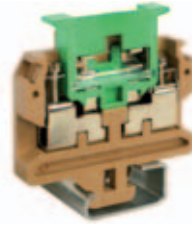
Component holders

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type



With $\varnothing 6 \times 25$ mm or $\varnothing 6,3 \times 23$ mm fuse-holder cartridge - suited to hold our **LSN** $\varnothing 6 \times 26$ mm lamp for voltages exceeding 70 V.



Fuse-holder terminal block for our $\varnothing 5 \times 20$ mm **F5** type fuse and **LSN** ($\varnothing 6 \times 26$ mm) lamp for voltages exceeding 70 V. The fuse blow-out determines the ignition of the lamp.



Terminal block type **FLD.10/D** allows the insertion of a 1 A diode (i.e. types 1N 4001 ÷ 4007 or BY 127) or 3 A diode (i.e. types BY 251 ÷ 255 or 1N 5401 ÷ 5407).

NOTE:

- $\varnothing 6 \times 25$ mm or $\varnothing 6,3 \times 23$ mm are not of normal supply
- F5 fuse and LSN lamp are supplied separately

Available while stocks last.

Contact the Sales Office to verify the product availability

(*) values referred to the insulating characteristics of the terminal block



CF6
Cat. No. FL304



CF5L
Cat. No. FL204



CFD
Cat. No. FL504

beige version	FLD.10/F6 Cat. No. FL300	FLD.10/F5L Cat. No. FL200	FLD.10/D Cat. No. FL500
TECHNICAL CHARACTERISTICS			
function / type	for fuse and signal lamp	for fuse and signal lamp	for diode
rated cross-section (mm ²)	10	10	10
connecting capacity			
flexible (mm ²)	0,5 ÷ 16	0,5 ÷ 16	0,5 ÷ 16
rigid (mm ²)	0,5 ÷ 16	0,5 ÷ 16	0,5 ÷ 16
max. flexible with ferrule (mm ²)-ferrule type	10 - WP100/21	10 - WP100/21	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 6,3 A max / B6	800 V (*) / 6,3 A max / B6	800 V (*) / 6,3 A / B6
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	-	-	-
rated impulse withstand voltage / pollution degree	6 kV (*) / 3	6 kV (*) / 3	6 kV (*) / 3
insulation stripping length (mm)	14	14	14
tightening torque value (test / max) (Nm)	1,2 / 1,9	1,2 / 1,9	1,2 / 1,9
height / width / thickness TH/35 7,5 mm	-	-	-
height / width / thickness TH/35 15 mm	-	-	-
height / width / thickness G32	64 / 63 / 11	64 / 63 / 11	64 / 63 / 11

APPROVALS

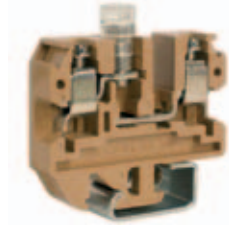


ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections beige blue	FLD/PT	FL101	FLD/PT	FL101	FLD/PT	FL101
Switchable cross connection	-	-	-	-	-	-
Permanent cross connection	-	-	-	-	-	-
Multiple common bar 250 mm	-	-	-	-	-	-
Shunting screw and sleeve	-	-	-	-	-	-
Coloured partition red, green, white	DFU/6	DU06..	DFU/6	DU06..	DFU/6	DU06..
Miniature fuse $\varnothing 5 \times 20$ mm	-	-	F5	FN...	-	-
Signal lamp	LSN	FL202	LSN	FL202	-	-
Test plug socket	-	-	-	-	-	-
Test plug	-	-	-	-	-	-
Warning plate on adjacent terminal blocks	-	-	-	-	-	-
Cover for cross-connection	-	-	-	-	-	-
Marking tag printed or blank	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...
	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001
	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
	-	-	-	-	-	-

Fuse-holders

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type



For our (Ø 5 x 20 mm) F5 type fuse



NOTE:
Version suited to be mounted onto rails acc. to IEC 60715 Std., TH35 type



Terminal blocks type **VL.16** and **VL.16/0** are suited for fuses type:

- Ø 13 x 50 mm - 500 V **E 16** DIAZED
- Ø 14 x 51 mm - 500 V



Connection of internal metallic parts

Available while stocks last.

Contact the Sales Office to verify the product availability

(*) values referred to the insulating characteristics of the terminal block

beige version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

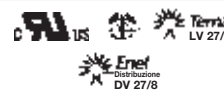
APPROVALS

ACCESSORIES	
End sections	beige blue
Switchable cross connection	-
Permanent cross connection	250 mm
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Miniature fuse Ø 5x20 mm	
Signal lamp	
Test plug socket	
Test plug	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

VLM.10	Cat. No.	VL200
for fuse		
10		
1,5 ÷ 16		
1,5 ÷ 16		
10 - WP100/21		
800 V (*) / 12,5 A max / B6		
600 V / 15 A / 16-6 AWG / 13,3 lb.in		
-		
8 kV (*) / 3		
12		
1,2 / 1,9		
-		
64 / 63 / 13		



VLM.10/0	Cat. No.	VL400
for fuse		
10		
1,5 ÷ 16		
1,5 ÷ 16		
10 - WP100/21		
800 V (*) / 12,5 A max / B6		
600 V / 15 A / 16-6 AWG / 13,3 lb.in		
-		
8 kV (*) / 3		
12		
1,2 / 1,9		
64 / 63 / 13		
71 / 63 / 13		
-		



VL.16	Cat. No.	VL300
for fuse E16		
16		
1,5 ÷ 25		
1,5 ÷ 25		
16 - WP160/22		
800 V (*) / 25 A max / B7		
600 V / 30 A / 20 ÷ 4 AWG / 20 lb.in		
-		
8 kV (*) / 3		
13		
1,8 / 3		
-		
86 / 79 / 29		



Type	Cat. No.
VLM/PT	VL201
-	-
POF/54	POF54
PMP/54	PMP54
CPM/03	CPM03
DFU/3	DU03..
F5	FN..
-	-
PSD/B	PD002
SDD/2	DD002
-	-
-	-
CNU/8/51	NU0851
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	-
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	-
-	-

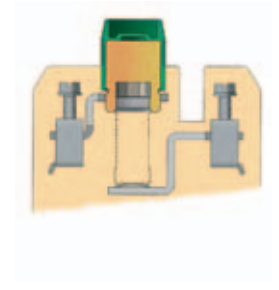
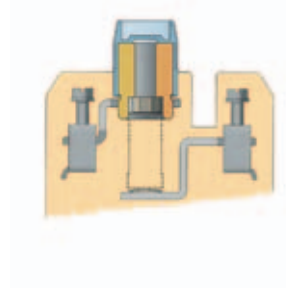
Type	Cat. No.
VLM/PT	VL201
-	-
POF/54	POF54
PMP/54	PMP54
CPM/03	CPM03
DFU/3	DU03..
F5	FN..
-	-
PSD/B	PD002
SDD/2	DD002
-	-
-	-
CNU/8/51	NU0851
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/3 for PR/3 only	BT003
-	-
-	-
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	-
-	-
POF/55	POF55
PMP/55	PMP55
CPM/05	CPM05
-	-
-	-
PSD/B	PD002
SDD/2	DD002
-	-
-	-
CNU/8/51	NU0851
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	-
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	-

Fuse-holders

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type



Terminal blocks type VL.16 and VL.16/0 are suited for fuses type:
 - Ø 13 x 50 mm - 500 V E 16 DIAZED
 - Ø 14 x 51 mm - 500 V

(*) values referred to the insulating characteristics of the terminal block



Connection of internal metallic parts

Available while stocks last.

Contact the Sales Office to verify the product availability

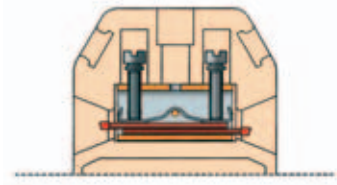
(*) values referred to the insulating characteristics of the terminal block

beige version	VL.16/0	VL.16/0-R	VL.16/0-M
	Cat. No. VL500	Cat. No. VL510	Cat. No. VL520
TECHNICAL CHARACTERISTICS			
function / type	for fuse E16	for 10,3 x 38,1 mm, cc (rejection type) fuse	for 10,3 x 38,1 mm, midget (non rejection type) fuse
rated cross-section (mm ²)	16	16	16
connecting capacity			
flexible (mm ²)	1,5 ÷ 25	1,5 ÷ 25	1,5 ÷ 25
rigid (mm ²)	1,5 ÷ 25	1,5 ÷ 25	1,5 ÷ 25
max. flexible with ferrule (mm ²)-ferrule type	16 - WP160/22	16 - WP160/22	16 - WP160/22
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 25 A max / B7	800 V (*) / 25 A max / B7	800 V (*) / 25 A max / B7
rated voltage / rated current / AWG UL - cUL	600 V / 30 A / 20 ÷ 4 AWG / 20 lb.in	600 V / 30 A / 20 ÷ 4 AWG / 20 lb.in	600 V / 30 A / 20 ÷ 4 AWG / 20 lb.in
(Ex e) rated voltage (V)	-	-	-
rated impulse withstand voltage / pollution degree	8 kV (*) / 3	8 kV (*) / 3	8 kV (*) / 3
insulation stripping length (mm)	13	13	13
tightening torque value (test / max) (Nm)	1,8 / 3	1,8 / 3	1,8 / 3
height / width / thickness TH/35 7,5 mm	86 / 79 / 29	86 / 79 / 29	86 / 79 / 29
height / width / thickness TH/35 15 mm	94 / 79 / 29	94 / 79 / 29	94 / 79 / 29
height / width / thickness G32	-	-	-
APPROVALS			
ACCESSORIES			
End sections	beige blue	-	-
Switchable cross connection	-	-	-
Permanent cross connection	250 mm	POF/55 POF55	POF/55 POF55
Multiple common bar	250 mm	PMP/55 PMP55	PMP/55 PMP55
Shunting screw and sleeve	-	CPM/05 CPM05	CPM/05 CPM05
Coloured partition	red, green, white	-	-
Miniature fuse Ø 5x20 mm	-	-	-
Signal lamp	-	-	-
Test plug socket	-	PSD/B PD002	PSD/B PD002
Test plug	-	SDD/2 DD002	SDD/2 DD002
Warning plate	on adjacent terminal blocks	-	-
Cover for cross-connection	-	-	-
Marking tag	printed or blank	CNU/8/51 NU0851	CNU/8/51 NU0851
End bracket	-	CSC (with ADR adapter) CS...	CSC (with ADR adapter) CS...
	-	BTU for PR/DIN and PR/3 BT005	BTU for PR/DIN and PR/3 BT005
	-	BT/3 for PR/3 only BT003	BT/3 for PR/3 only BT003
Mounting rail according to IEC 60715 Std.	-	-	-
	-	PR/3/AC of steel PR003	PR/3/AC of steel PR003
	-	PR/3/AS same with slots PR005	PR/3/AS same with slots PR005

For thermocouples

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 02 ATEX 134 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14



Available while stocks last.

Contact the Sales Office to verify the product availability

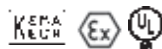
(*) values referred to the insulating characteristics of the terminal block

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage /	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	beige blue
Permanent cross connection (premontato)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

TC/DIN	Cat. No.	TC110
TC/DIN (Ex)i	Cat. No.	TC210
for thermocouple circuits		
-		
Ø 0,8 a 1,3 mm thermocouples		
-		
800 V / - / -		
500		
500		
8 kV / 3		
20		
0,5 / 1,2		
-		
47 / 36 / 5,5		



Type	Cat. No.
EDM/2/PT	ED101
EDM/2/PT (Ex)i	EI101
-	
-	
-	
DFU/1	DU01..
-	
-	
-	
-	
-	
CNU/8/51	NU0851
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

(TC/DIN) - Special version of feed-through EDM.2, terminal block suitable for the connection of any type of conductor for thermocouple circuits. In fact, due to the excellent electrical contact which results, thermocouple circuits of any type can be tightened up without the intervention of any other compensation material.

Such a solution allows, in addition to the running of one single item, the reduction of points of contact in the complete circuit.

In order to make the connection completely efficient and permanent the range of diameters of the connectable thermocouples must be within the 0.8 and 1.3 mm range.

The thermocouple circuits, even those having different diameters, stripped of their insulating protection for a length of 20 mm, are overlapped in the inside of the terminal block in such a way as to allow the direct flow of thermoelectrical e.m.f. without the intermediary of a metal body, as it happens in normal circuits.

With the double clamping, assured by two screws and by the interposition of the pressure plate, the possibility of e.m.f. caused by lack of homogeneity of the contacts is reduced to more or less nothing.

CDA Series high current terminal blocks

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type

All melamine terminals and the related accessories are available while stocks last.

Contact the Sales Office to verify the product availability.

Within the range of melamine insulated feed-through terminal blocks, **CDA** series terminals represent the so-called "power terminal blocks", with relatively large rated cross sections and consequently high current carrying capacity. The series is formed by homotetic terminal blocks, in the following rated cross-sections in mm², referred to flexible conductors:

70 120 185

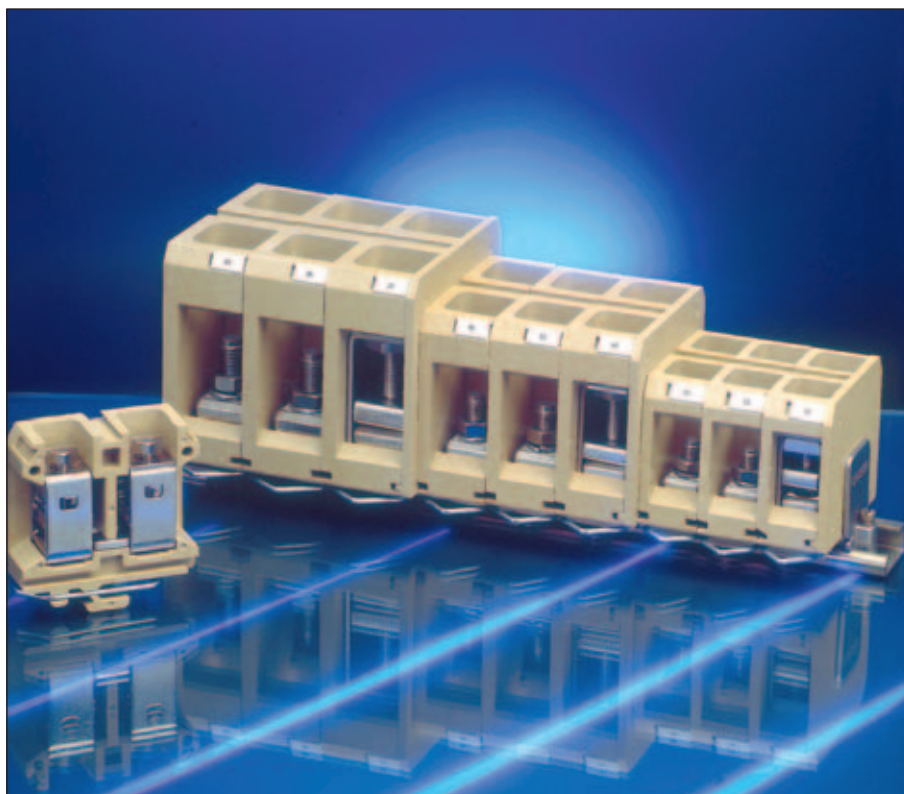
For each of the three sizes, three different versions are available, depending on the **type of connection**:

- bar/bar (/BB):

which allows the connection, on both sides, of conductors provided with lugs or two bars

- bar/cable (/BC):

which allows the connection of two cables, of which one is provided with a lug and the other is without special preparation



- cable/cable (/CC):

which allows, on both sides, the connection of conductors without special preparation.

CDA series terminal blocks have the possibility to be modified according to the specific needs; in fact from the bar/bar version it is possible to obtain the bar/cable or the cable/cable version, by simply removing the screw, the washer and the nut from either one or both the sides of the conducting busbar and inserting one or two CDA/CO wire clamping collars, which can be supplied apart as normal accessories.

tightening reliability:

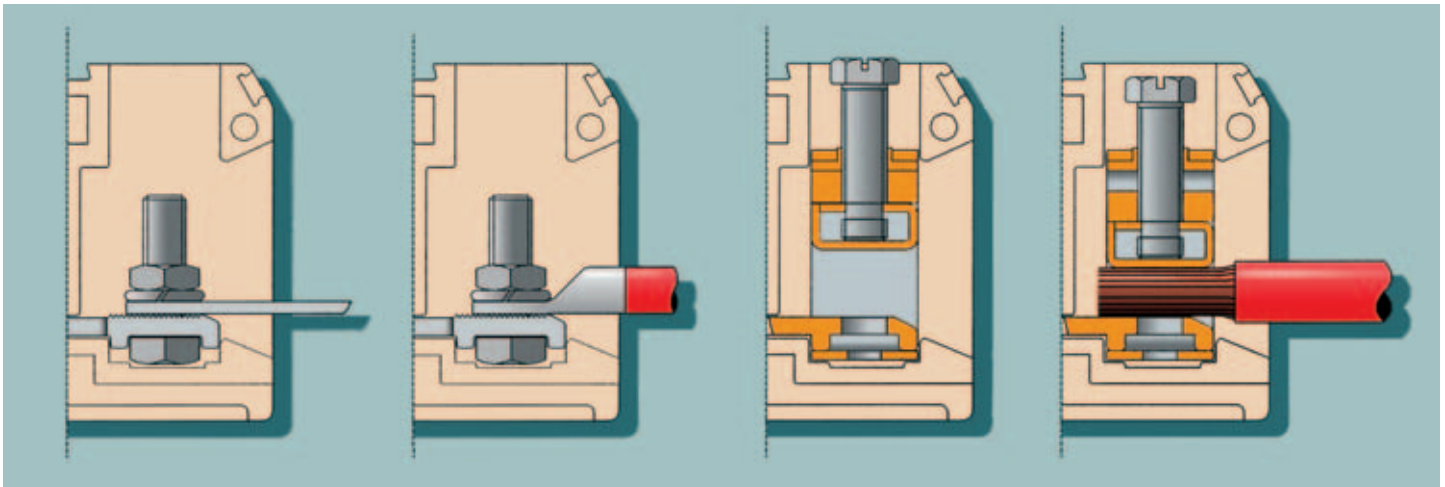
the clamping of the cable lug or the bar onto the conducting busbar is secured by means of a screw and a nut and with the interposition of a grower washer.

In the collar clamping versions, the reliability is guaranteed by the particular shape of the pressure block, manufactured in such a way as to exploit the reaction to the pressure force on the conductors as a lock for the screw, even in presence of vibrations and other dynamic stress.

Furthermore, both the conducting busbar and the pressure lock are provided with transversal grooving which ensure a perfect electrical contact an efficient mechanical retention.

NOTE:

in the wire clamping collar versions, the tightening screw is provided with both the slot for the screwdriver (of adequate dimension) for the preliminary tightening of the conductor, and with hexagon head for the definitive tightening, up to the requested values of tightening torque.



easy cable insertion:

in the wire clamping collar versions, the insertion of the conductor is eased by:

- sloping entrance planes on the insulating body
- the rounded shape of the pressure block
- chamfering on the conducting busbar
- adequate dimensioning of the conductor insertion hole.

To this regard, CDA terminal blocks offer a capacity greatly exceeding the indicated rated reference values, in fact the maximum conductors which can be effectively connected are:

- flexible:

70 150 240 mm²

- rigid:

95 185 240 mm²

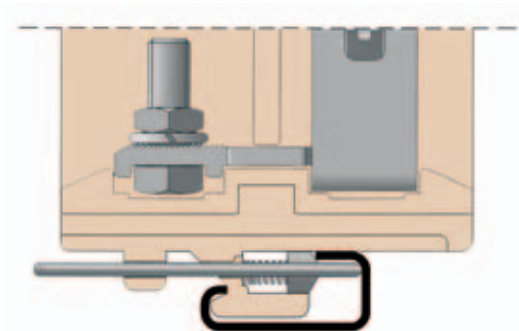
marking:

CDA series terminal blocks are suited to be marked with CNU/8 or CSC (the latter system requires an ADR adapter).

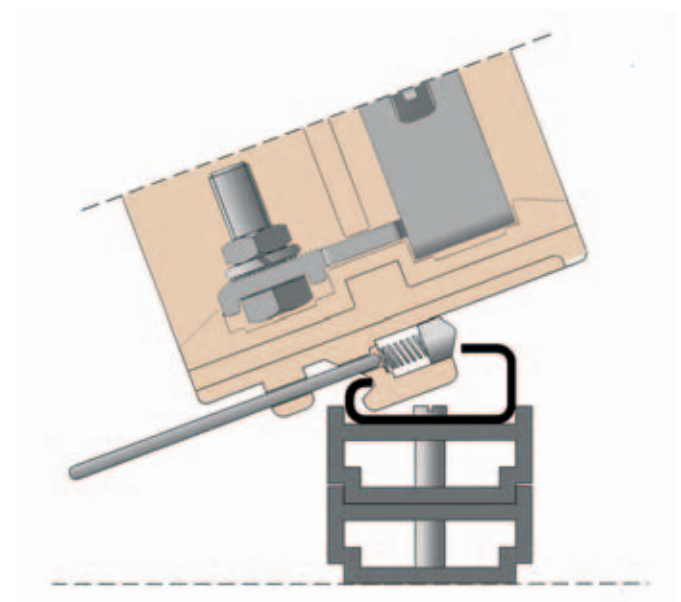
The slots on the upper front side of each terminal block allow the insertion of further indication related to the entire terminal board.

mounting:

as these terminal blocks are suitable for the connection of very heavy and poorly ductile conductors, a fork-type locking pin has been inserted in the foot of the insulating body in order to grant major stability on the mounting rail. During mounting it is necessary to consider proper spacing for the fully unlocked pin.



In case the mounting rail is placed on a flat surface, CDA terminal block dimensions require the use of a supporting bracket (ACI121213 type), in order to distance adequately the terminal board from the panel itself. For CDA.70, only one bracket is required, whilst two are requested for CDA.120 and CDA.185.



CDA Series high current terminal blocks

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type

All melamine terminals and the related accessories are available while stocks last.
Contact the Sales Office to verify the product availability.

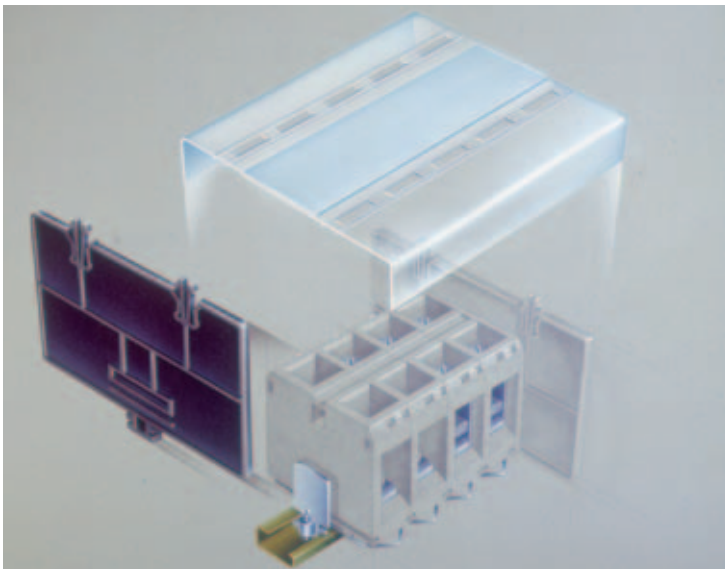
protection:

CDA terminal blocks can be further protected against direct and/or accidental contact by means of proper PRT type covers (of different sizes: medium or big) of self-extinguishing transparent material. These covers are supplied in standard length of 200 mm (corresponding to the total width of 4 adjoining blocks) and must be inserted on SPS supports, also of self-extinguishing material. PRT covers allow the protection of one side of the terminal block; the complete protection of the terminal board is obtained by two covers, which overlap once mounted.

- for terminal blocks type CDA.70 and 120 PRT/M+SPS/5

- for terminal blocks type CDA.185 PRT/M+SPS/7

PRT/G size must be used when the conductors come from the back of the board or, otherwise, when one or more connection points, not used, must be nevertheless protected.



CDA Series high current terminal blocks

with melamine insulating body



- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 02 ATEX 163 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14

Available while stocks last.

Contact the Sales Office to verify the product availability

beige version	CDA.70/CC Cat. No. CD300	CDA.120/CC Cat. No. CD600	CDA.185/CC Cat. No. CD910			
(Ex)i version						
TECHNICAL CHARACTERISTICS						
function / type	feed-through	feed-through	feed-through			
rated cross-section (mm ²)	70	120	185			
connecting capacity						
flexible (mm ²)	2,5 ÷ 70	6 ÷ 150	6 ÷ 240			
rigid (mm ²)	2,5 ÷ 95	4 ÷ 185	4 ÷ 240			
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 192 A / B11	800 V / 269 A / B13	800 V / 353 A / B15			
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage / (V)	600 V / 175 A / 12-2/0 AWG / 88,5 lb.in	600 V / 255 A / 12-250 kcmil / 221 lb.in	600 V / 310 A / 10-350 kcmil / 265 lb.in			
rated impulse withstand voltage / pollution degree	8 kV / 3	8 kV / 3	8 kV / 3			
insulation stripping length (mm)	27	32	40			
tightening torque value (test / max) (Nm)	3,5 / 6 (13 mm wrench)	4 / 10 (15 mm wrench)	- / 14 (17 mm wrench)			
height / width / thickness TH/35 7,5 mm	-	-	-			
height / width / thickness TH/35 15 mm	-	-	-			
height / width / thickness G32	83 / 83 / 27	101 / 96 / 32	117 / 110 / 38			
APPROVALS						
ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	CDA/70/PT	CD101	CDA/120/PT	CD401	CDA/185/PT	CD701
Clamping collar	CDA/70/CO	CD102	CDA/120/CO	CD402	CDA/185/CO	CD703
Protection cover	PRT/M	PRT02	PRT/M	PRT02	PRT/M	PRT02
Protection cover support	SPS/5	SPS05	SPS/5	SPS05	SPS/7	SPS07
Mounting rail support	ACI121213	Z121213	ACI121213	Z121213	ACI121213	Z121213
Marking tag printed or blank	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
End bracket	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...
	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	CDA/BT	CD003	CDA/BT	CD003	CDA/BT	CD003
Mounting rail according to IEC 60715 Std.	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
	-	-	-	-	-	-

CDA Series high current terminal blocks

with melamine insulating body



- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 02 ATEX 163 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14

(*) the length indicated is the maximum length available for the relevant connection. By using bars and/or non-insulated cable-lugs, the rated insulation voltage is guaranteed respectively up to a width of: 17 mm (for the .70), 22 mm (for the .120), 28 mm (for the .185). For greater widths, a partition must be used

(**) tightening: with a screwdriver / hex wrench

Available while stocks last.
Contact the Sales Office to verify the product availability

(***) distance between the cable lug fixing screw axis and the conductor body: 10 mm

(***) distance between the cable lug fixing screw axis and the conductor body: 12 mm

(***) distance between the cable lug fixing screw axis and the conductor body: 15 mm

beige version	CDA.70/BC Cat. No. CD200	CDA.120/BC Cat. No. CD500	CDA.185/BC Cat. No. CD810			
(Ex)i version						
TECHNICAL CHARACTERISTICS						
function / type	feed-through	feed-through	feed-through			
rated cross-section (mm ²)	70	120	185			
connecting capacity						
flexible (mm ²)	2,5 ÷ 70	6 ÷ 150	6 ÷ 240			
rigid (mm ²)	2,5 ÷ 95	4 ÷ 185	4 ÷ 240			
barre o capicorda (*)	21 mm max width (M8 bolt) (**)	25 mm max width (M10 bolt) (**)	30 mm max width (M12 bolt) (**)			
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 192 A / B11	800 V / 269 A / B13	800 V / 353 A / B15			
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage / (V)	600 V / 175 A / 12-2/0 AWG / 88,5 lb.in 630	600 V / 255 A / 12-250 kcmil / 221 lb.in 630	600 V / 310 A / 10-350 kcmil / 265 lb.in 630			
rated impulse withstand voltage / pollution degree	8 kV / 3	8 kV / 3	8 kV / 3			
insulation stripping length (mm)	27	32	40			
coppia di serraggio / cavo (**)	3,5 / 6 (13 mm wrench)	4 / 10 (15 mm wrench)	- / 14 (17 mm wrench)			
coppia di serraggio / barra (Nm)	- / 3 (13 mm wrench)	- / 6 (13 mm wrench)	- / 14 (19 mm wrench)			
height / width / thickness TH/35 7,5 mm	-	-	-			
height / width / thickness TH/35 15 mm	-	-	-			
height / width / thickness G32	83 / 83 / 27	101 / 96 / 32	117 / 110 / 38			
APPROVALS						
ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	CDA/70/PT	CD101	CDA/120/PT	CD401	CDA/185/PT	CD701
Clamping collar	CDA/70/CO	CD102	CDA/120/CO	CD402	CDA/185/CO	CD703
Protection cover	PRT/M	PRT02	PRT/M	PRT02	PRT/M	PRT02
Protection cover support	SPS/5	SPS05	SPS/5	SPS05	SPS/7	SPS07
Mounting rail support	ACI121213	Z121213	ACI121213	Z121213	STP (***)	ST001
Marking tag printed or blank	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
End bracket	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...
	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	CDA/BT	CD003	CDA/BT	CD003	CDA/BT	CD003
	-		-		-	
Mounting rail according to IEC 60715 Std.	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
	-		-		-	
	-		-		-	

CDA Series high current terminal blocks

with melamine insulating body



- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 02 ATEX 163 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14

(* the length indicated is the maximum length available for the relevant connection. By using bars and/or non-insulated cable-lugs, the rated insulation voltage is guaranteed respectively up to a width of: 17 mm (for the .70), 22 mm (for the .120), 28 mm (for the .185). For greater widths, a partition must be used

Available while stocks last.
Contact the Sales Office to verify the product availability

(**) distance between the cable lug fixing screw axis and the conductor body: 10 mm

(**) distance between the cable lug fixing screw axis and the conductor body: 12 mm

(**) distance between the cable lug fixing screw axis and the conductor body: 15 mm

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
barre o capicorda (*)	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL (Ex e) rated voltage / (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

CDA.70/BB	
Cat. No.	CD100
feed-through	70
-	-
-	-
21 mm max width (M8 bolt) (**)	
800 V / 192 A / -	
600 V / 175 A / 12-2/0 AWG / 88,5 lb.in	
630	
8 kV / 3	
-	-
- / 3 (13 mm wrench)	
-	-
83 / 83 / 27	

CDA.120/BB	
Cat. No.	CD400
feed-through	120
-	-
-	-
25 mm max width (M10 bolt) (**)	
800 V / 269 A / -	
600 V / 255 A / 12-250 kcmil / 221 lb.in	
630	
8 kV / 3	
-	-
- / 6 (17 mm wrench)	
-	-
101 / 96 / 32	

CDA.185/BB	
Cat. No.	CD710
feed-through	185
-	-
-	-
30 mm max width (M12 bolt) (**)	
800 V / 353 A / -	
600 V / 310 A / 10-350 kcmil / 265 lb.in	
630	
8 kV / 3	
-	-
- / 14 (19 mm wrench)	
-	-
117 / 110 / 38	

APPROVALS



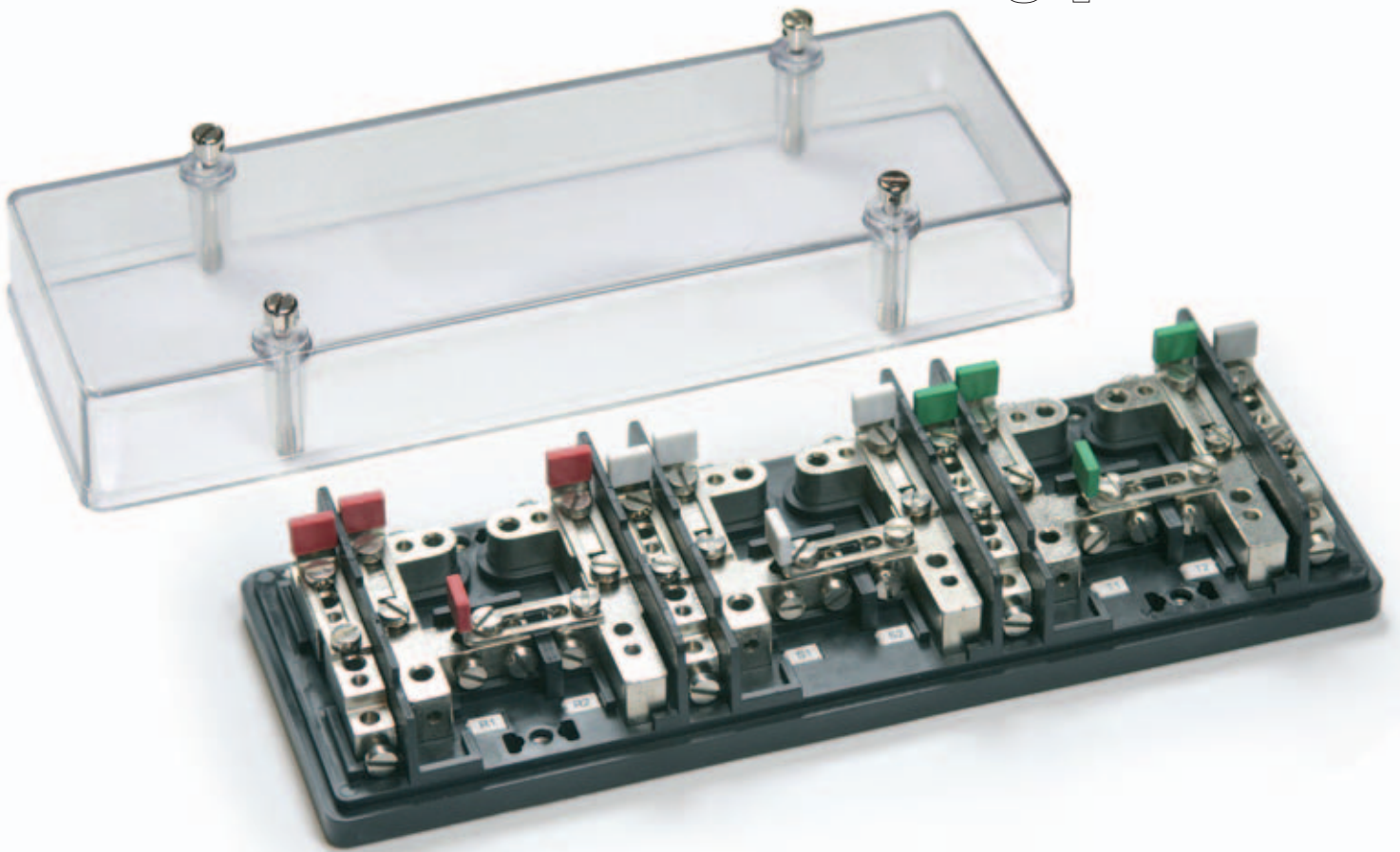
ACCESSORIES	
End sections	
Clamping collar	
Protection cover	
Protection cover support	
Mounting rail support	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
CDA/70/PT	CD101
CDA/70/CO	CD102
PRT/M	PRT02
SPS/5	SPS05
ACI121213	Z121213
CNU/8/51	NU0851
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT	CD003
-	-
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	-

Type	Cat. No.
CDA/120/PT	CD401
CDA/120/CO	CD402
PRT/M	PRT02
SPS/5	SPS05
ACI121213	Z121213
CNU/8/51	NU0851
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT	CD003
-	-
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	-

Type	Cat. No.
CDA/185/PT	CD701
CDA/185/CO	CD703
PRT/M	PRT02
SPS/7	SPS07
ACI121213	Z121213
CNU/8/51	NU0851
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT	CD003
-	-
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	-

Terminal boards for metering panels



Cabur control terminal boards have been developed in order to enable electric power suppliers and users to easily check measuring instruments, without interrupting the current carrying circuits during the verification itself or during the replacement of the instruments.

Each terminal board is composed by an insulating body, carrying the copper zinc alloy terminals to which the ammeter, voltmeter circuits and the devices for disconnect and short circuit operations are connected. Each terminal board is supplied with a transparent cover (of cellulose acetate), provided with appropriate captive screws for the sealing of the assembly.

In two-phase and three-phase terminal boards, the insulating base is built from Kelon (an abbreviation of Ceramic + Nylon): this is a nylon 6 based, self-extinguishing UL94V-0 polymer with the addition of special ceramic spheres and subsequent thermal stability. The inclusion of the microspheres and the thermal procedure make the item extremely hardwearing (rigid, but also able to withstand impacts and wear and tear)

The current phases are marked in different colours, to be defined when ordering.

TECHNICAL CHARACTERISTICS

rated cross-section	6 mm ²
connecting capacity	
flexible conductors	0,5 ÷ 6 mm ²
rigid conductors	0,5 ÷ 6 mm ²
conductors insertion hole	Ø 4,1 (mm)
tightening torque	1,2 (Nm)
rated current (conf. to IEC 60947-7-1)	57 A
rated voltage (conf. to IEC 60947-7-1)	500 V
rated impulse withstand voltage / pollution degree	6 KV / 3

MCM Series

The use of **MCM** series control terminal boards allows:

- 1) disconnection, upstream and downstream the measuring instruments
- 2) the insertion of a test instrument, downstream or upstream the measuring instruments
- 3) shunting, by means of common plugs, from the four connection terminals
- 4) voltage transmission from the beginning of the ammeter circuit to the disconnect slide-link by means of a simple cross connections.

In normal service, voltmeter leads are connected to the R-S-T terminals, whilst the ammeter leads, are to be inserted in the terminals identified R1-R2, S1-S2, T1-T2. The instruments are connected to terminals 1 and 2. The vertical slide-link cross connections are closed, the horizontal slide-link cross connections are open.

When inserting control instruments, the following instructions are to be followed:

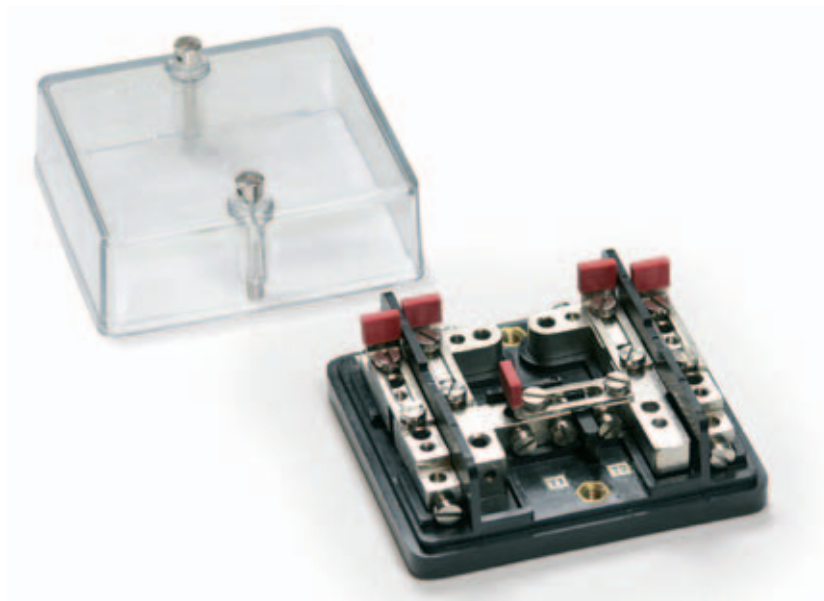
- by means of normal plugs, the voltmeter leads must be shunted from the test instrument on to the voltage sockets of the disconnect slide-link or to the insertion blocks of the fuse-holders;
- the ammeter leads of the test instruments must be inserted in sockets 1 ad R1 or 2 ad R2; same procedure is to be followed for the other phases;
- therefore, the corresponding vertical slide-link must be disconnected.

If there is a need to replace a measuring instrument, it is necessary to previously close the horizontal slide-links, disconnect the vertical slide-links and open the slide-link.

Feeding conductors (incoming and outgoing) are inserted from the rear of the terminal board, with conductors passing through slots on the insulating base of the terminal board.

for single-phase connected electric power meters

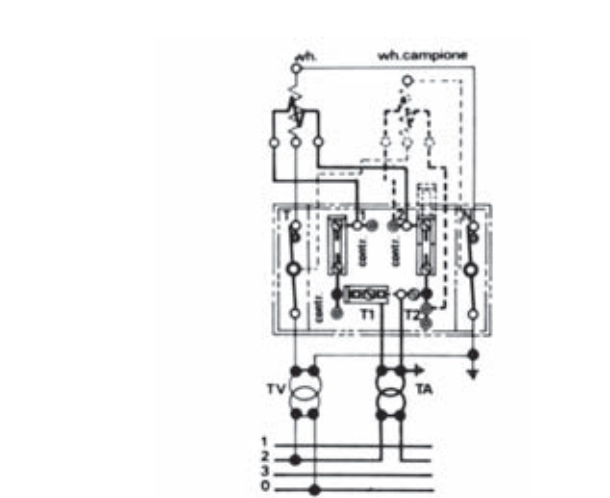
MCM.1



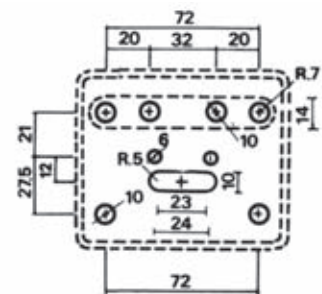
Overall dimension (with cover)
MCM.1: 95 x 85 x 48 mm

ENEL in order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
 From the left, phases are identified as follows:

Type	Cat. No.
MCM.1/B (white)	MC201B (adopted in Campania and Lombardy)
MCM.1/G (yellow)	MC201G (adopted in Veneto and Trentino Alto Adige)
MCM.1/R (red)	MC201R (adopted in the rest of Italy)



Application scheme

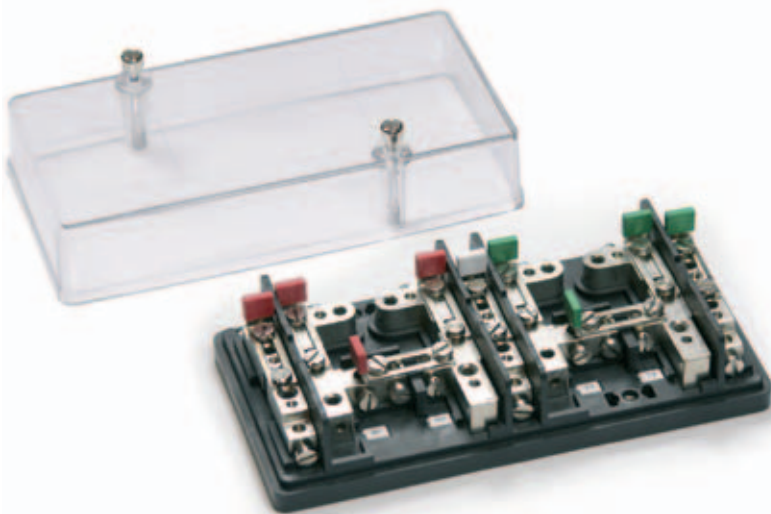


Fixing template

MCM Series

for ARON connected electric power meters

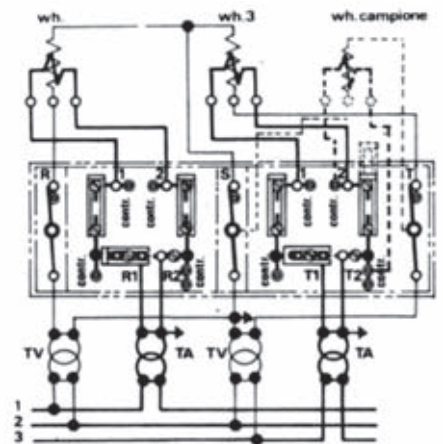
MCM.2



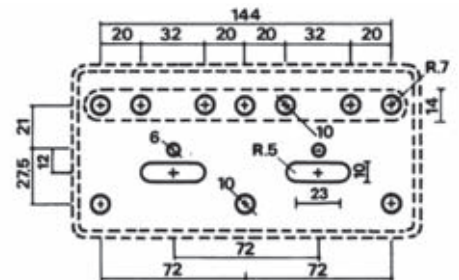
Overall dimension (with cover)
MCM.2: 170 x 85 x 48 mm

ENEL in order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
 From the left, phases are identified as follows:

Type	Cat. No.
MCM.2/B (white)	MC202B (adopted in Campania and Lombardy)
MCM.2/G (yellow)	MC202G (adopted in Veneto and Trentino Alto Adige)
MCM.2/R (red)	MC202R (adopted in the rest of Italy)



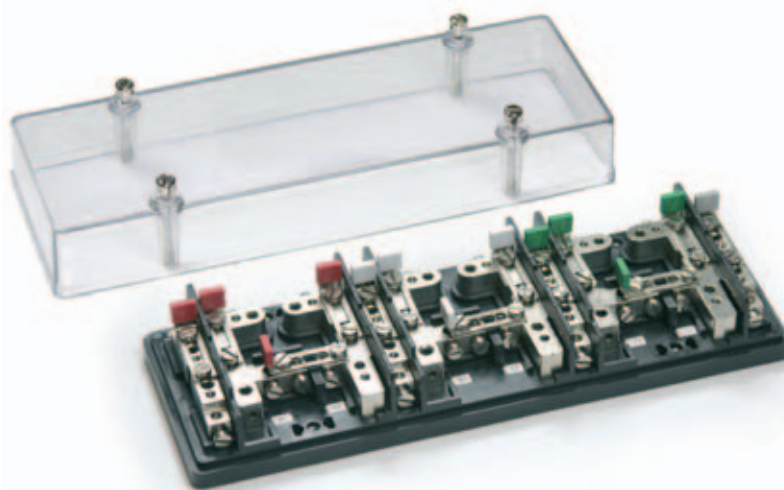
Application scheme



Fixing template

for three-phase + neutral connected electric power meters

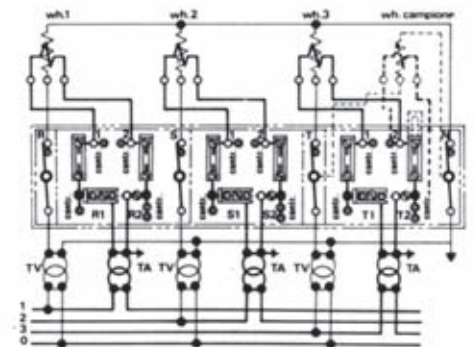
MCM.3



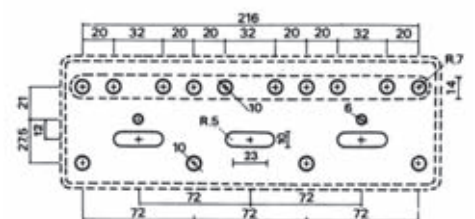
Overall dimension (with cover)
MCM.3: 245 x 85 x 48 mm

ENEL in order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
 From the left, phases are identified as follows:

Type	Cat. No.
MCM.3/B (white)	MC203B (adopted in Campania and Lombardy)
MCM.3/G (yellow)	MC203G (adopted in Veneto and Trentino Alto Adige)
MCM.3/R (red)	MC203R (adopted in the rest of Italy)



Application scheme

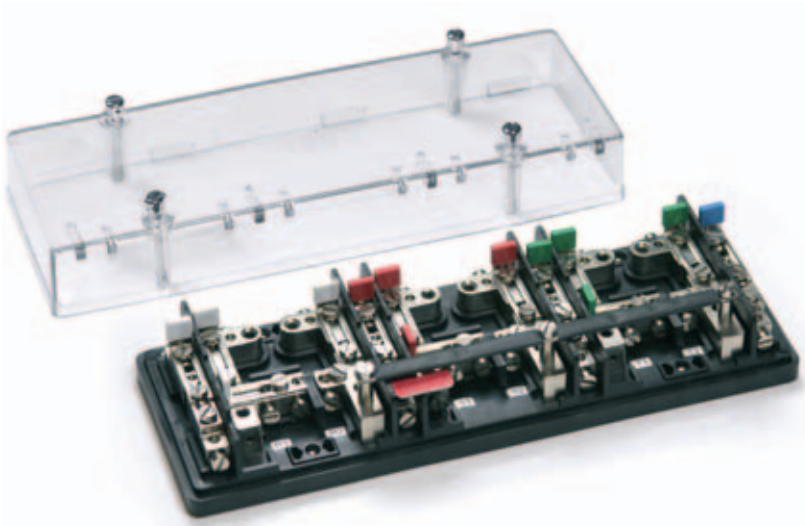


Fixing template

MCM Series

for three-phase + neutral
connected electric power meters

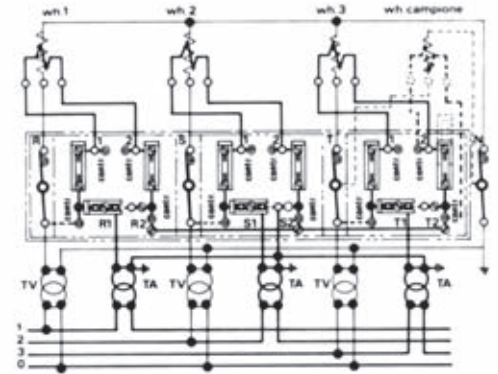
MCM.3/VE



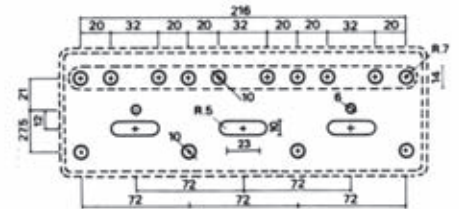
Overall dimension (with cover)
MCM.3/VE: 245 x 85 x 48 mm

ENEL in order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
From the left, phases are identified as follows:

Type	Cat. No.
MCM.3/VE/B (white)	MC233B (adopted in Campania and Lombardy)
MCM.3/VE/G (yellow)	MC233G (adopted in Veneto and Trentino Alto Adige)
MCM.3/VE/R (red)	MC233R (adopted in the rest of Italy)



Application scheme



Fixing template

MCT/SA Series

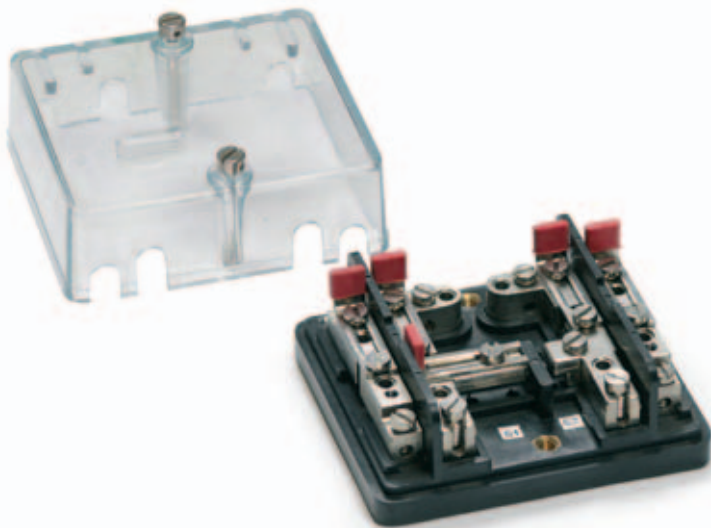
MCT/SA series differs from **MCM** series in that:

- 1) feeding conductors (incoming and outgoing) are inserted frontally instead from the rear of the terminal board, with conductors passing through slots on the upper and lower sides of the cover
- 2) the cover is provided with safety locks that prevent the closing if the slide-links are not in the correct position. The employment specifications of **MCT/SA** terminal boards are identical to those given for **MCM** series.

MCT/SA Series

for single-phase connected electric power meters

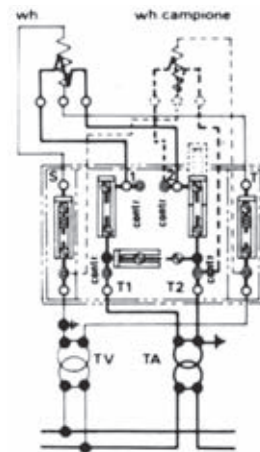
MCT.1/SA



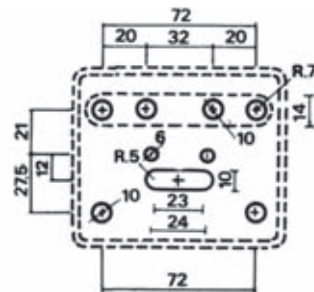
Overall dimension (with cover)
MCT.1/SA: 95 x 85 x 48 mm

ENEL in order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
 From the left, phases are identified as follows:

Type	Cat. No.
MCT.1/SA/B (white)	MC401B (adopted in Campania and Lombardy)
MCT.1/SA/G (yellow)	MC401G (adopted in Veneto and Trentino Alto Adige)
MCT.1/SA/R (red)	MC401R (adopted in the rest of Italy)



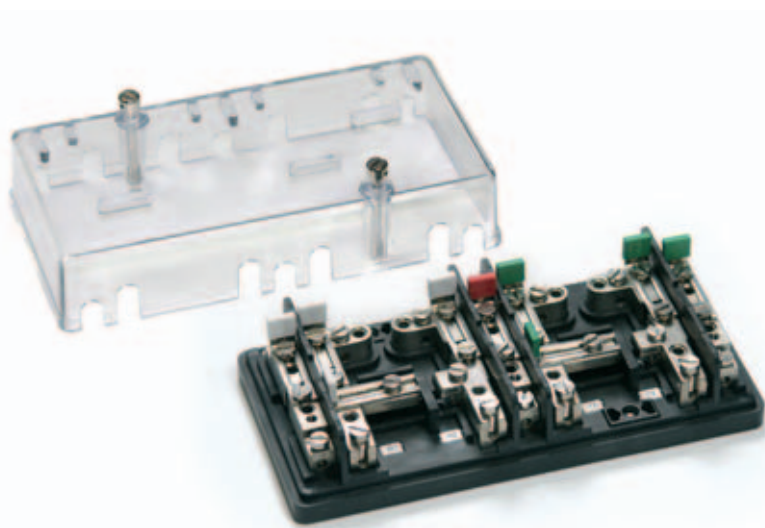
Application scheme



Fixing template

for ARON connected electric power meters

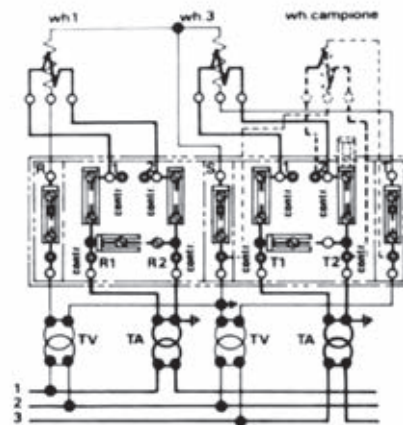
MCT.2/SA



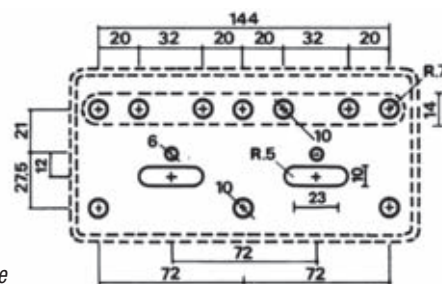
Overall dimension (with cover)
MCT.2/SA: 170 x 85 x 48 mm

ENEL in order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
 From the left, phases are identified as follows:

Type	Cat. No.
MCT.2/SA/B (white)	MC402B (adopted in Campania and Lombardy)
MCT.2/SA/G (yellow)	MC402G (adopted in Veneto and Trentino Alto Adige)
MCT.2/SA/R (red)	MC402R (adopted in the rest of Italy)



Application scheme

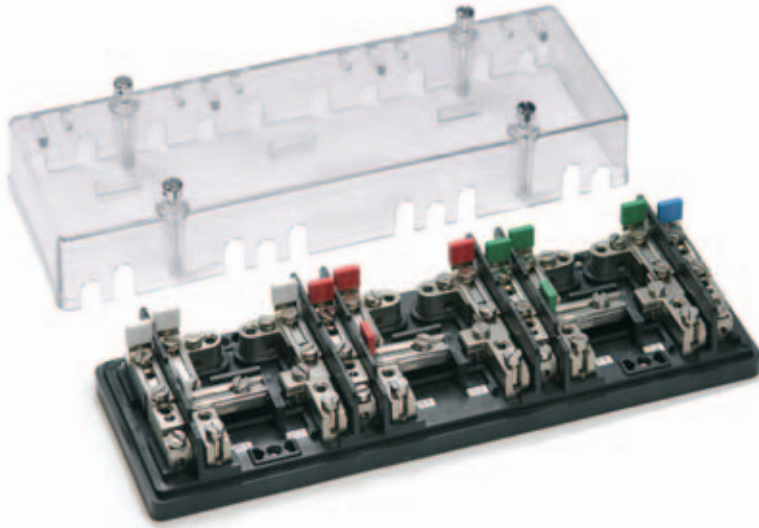


Fixing template

MCT/SA Series

for three-phase + neutral
connected electric power meters

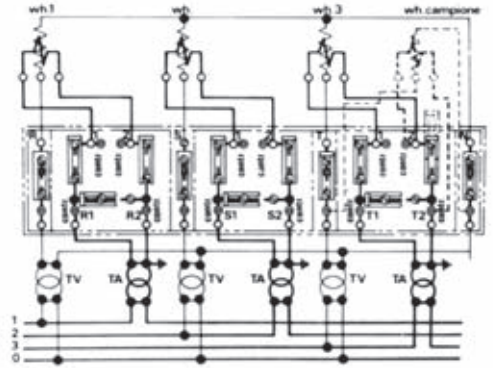
MCT.3/SA



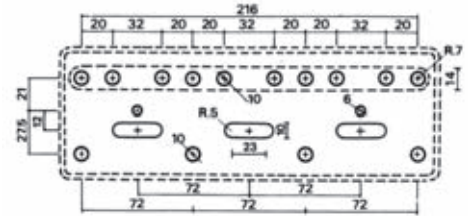
Overall dimension (with cover)
MCT.3/SA: 245 x 85 x 48 mm

ENEL in order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
From the left, phases are identified as follows:

Type	Cat. No.
MCT.3/SA/B (white)	MC403B (adopted in Campania and Lombardy)
MCT.3/SA/G (yellow)	MC403G (adopted in Veneto and Trentino Alto Adige)
MCT.3/SA/R (red)	MC403R (adopted in the rest of Italy)

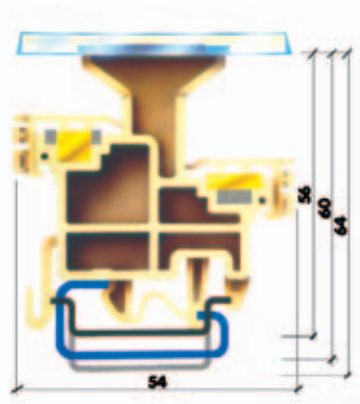


Application scheme

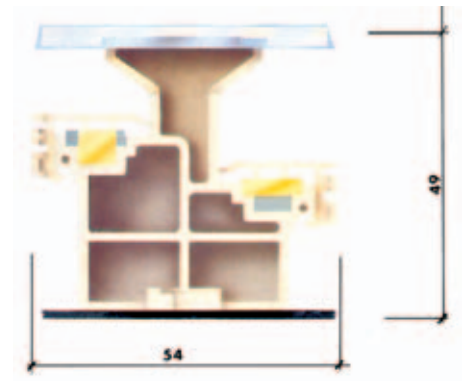


Fixing template

SDN neutral busbar supports



SDN/D



SDN/H

SDN/D

(Cat. No. SD200)
to be mounted on rails according to IEC 60715 Std.

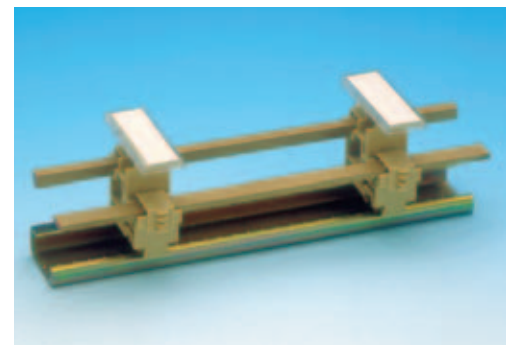
SDN/H

(Cat. No. SD300)
to be screwed directly on panel

- support pitch: 20 mm

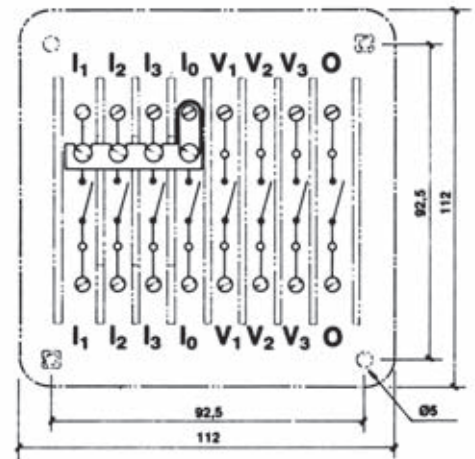
- both types are suited for 6 x 6 mm or 10 x 3 mm busbars

- **insulating body:** of beige polyamide (RAL 1001); KC 600 degree tracking resistance, UL94V-0 self-extinguishing degree. Temperature range: between - 30°C and +110°C. Provided with two housing for the marking compositions of letters or numbers (up to 3 figures), by means of CSC tags, and card holders with transparent protection for identification inscription.



MS.8x10 disconnect terminal board

8-poles, 4 ammetric and 4 voltmetric



MS/8x10/N

Cat. No.

MZ300N

TECHNICAL CHARACTERISTICS

rated cross-section	10 mm ²
connecting capacity	
flexible conductors	0,5 ÷ 16 mm ²
conductors insertion hole	5 x 10 (mm)
test tightening torque	120 (Ncm)
rated current (conf. to IEC 60947-7-1)	57 A
rated voltage (conf. to IEC 60947-7-1)	500 V
rated impulse withstand voltage / pollution degree	6 KV / 3
thickness (with cover, including screws)	52 / 65 mm

Insulating body: of green polycarbonate, filled with fibreglass.

Conductor body: components of copper-zinc alloy with high percentage of copper and provided with nickel plating.

Cover: of black polyamide.

On request, the terminal board can be supplied according to different electrical schemes.

A version with cover in transparent cellulose acetate is available.

Type

Cat. No.

MS/8x10/T

MZ300T



Cat. No. **MZ300N**
(black cover)



Cat. No. **MZ300T**
(transparent cover)

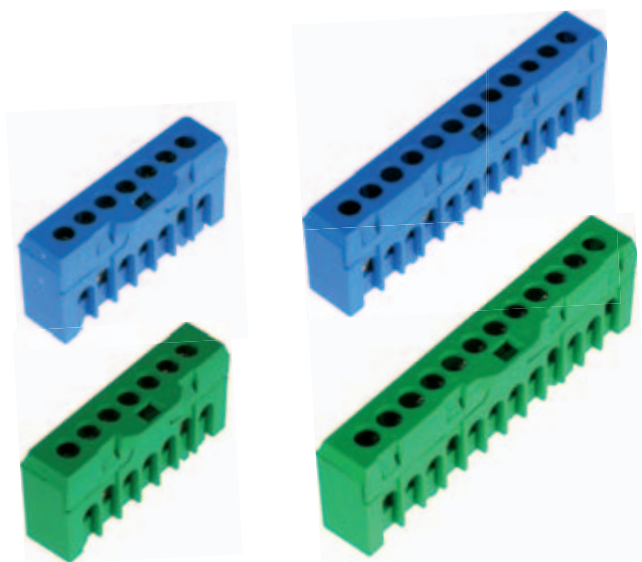
QBLOK series

Applications

Distribution terminal boards are used as supplementary terminal boards for phase or neutral expansion inside electrical panels. They are also called equipotential terminal boards since they are used as equipotential nodes in distribution control units to house the earthing system.

General characteristics

- Configuration, with 7 and 12 holes
- Mounting onto PR/3, type "TH/35 " rails according to IEC 60715 Std.
- Intrinsically IPXXB protected according to IEC 60529 Std.
- Marking possibility with CNU/8 or CNU/10 tags on each busbar
- Available in green and blue
- Insulating in polyamide 6.6 UL94V-0



Blue version	
Green version	
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
TECHNICAL CHARACTERISTICS	
function / type	Distribution terminal boards
number and diameter of holes	7 holes ø 5,3 mm
sezione nominale	10 (mm²)
connecting capacity:	
flexible	1,5 ÷ 10 (mm²)
rigid	1,5 (mm²)
max. flexible with ferrule (mm²)-ferrule type	10 - WP100/21
rated voltage / rated current / gauge	500 V / 63 A / B5 conf. to IEC 60947-1
rated impulse withstand voltage / pollution degree	-
insulation stripping length	6 (mm)
tightening torque value (test / max)	2 / 2,5 Nm

QBLOK.7/BLU	
Cat. No. QBLOK7001	
QBLOK.7/TE	
Cat. No. QBLOK7002	
33 / 53 / 16	
41 / 53 / 16	
Distribution terminal boards	
7 holes ø 5,3 mm	
10	
1,5 ÷ 10	
1,5	
10 - WP100/21	
500 V / 63 A / B5	
-	
6	
2 / 2,5 Nm	

QBLOK.12/BLU	
Cat. No. QBLOK1201	
QBLOK.12/TE	
Cat. No. QBLOK1202	
33 / 85 / 16	
41 / 85 / 16	
Distribution terminal boards	
12 holes ø 5,3 mm	
10	
1,5 ÷ 10	
1,5	
10 - WP100/21	
500 V / 63 A / B5	
-	
6	
2 / 2,5 Nm	

APPROVALS

IMQ pending

IMQ pending

ACCESSORIES	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

Type	Cat. No.
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007
PR/3/AC of steel	PR003
PR/3/AS idem con asole	PR005

POLM series

Applications

Distribution terminal boards are used as supplementary terminal boards for phase or neutral expansion inside electrical panels. They are also called equipotential terminal boards since they are used as equipotential nodes in distribution control units to house the earthing system.

- Fixing: DIN rail or panel-mount with screws
- Rated voltage 500V according to IEC 60947-7-1 Std.
- Conforming to EU Low voltage Directive 2006/95/EC

Materials

- CW 614N Brass
- Zinc-plated steel screws with combined single-slot and Phillips heads

General characteristics

- Protected terminal boards with 7,11, and 15 holes

CAT. NO.	TYPE	COLOUR	RATED CROSS-SECTION (mm ²)	RATED CURRENT	NUMBER OF HOLES
QPOL1203	POLM.1215	Grey	12 x 1,5 2 x 2,5 1 x 16	80 A	The 16mm ² diameter hole is screw-clamped type
QPOL1204	POLM.1215/TE	Blue	12 x 1,5 2 x 2,5 1 x 16	80 A	The 16mm ² diameter hole is screw-clamped type
QPOL1205	POLM.1215/BLU	Green	12 x 1,5 2 x 2,5 1 x 16	80 A	The 16mm ² diameter hole is screw-clamped type
QPOL7005	POLM.7/TRA	Transparent	1,5-10,0	57 A	7
QPOL1105	POLM.11/TRA	Transparent	1,5-10,0	57 A	11
QPOL1505	POLM.15/TRA	Transparent	1,5-10,0	57 A	15



QBLOK series

Applications

Distribution terminal boards

General characteristics

- Four pole configuration, with 2 \varnothing 7,5 mm holes and 5 \varnothing 5,4 mm holes
- Mounting onto PR/3, type "TH/35 " rails according to IEC 60715 Std. or directly onto the panel
- Insulating supports in polyamide 6.6 and insulating cover in polycarbonate - UL94V-0 grade
- Insulating cover on each conducting body
- Feeding inputs in staggered position for easier conductor connection
- Marking possibility with CNU/8 or CNU/10 tags on each busbar
- IMQ approval in conformity to EN 60947-7-1 Std.



VERSION	QBLOK4P100A7 Cat. No. QBLOK4100	QBLOK4P125A11 Cat. No. QBLOK4125	QBLOK4P125A15 Cat. No. QBLOK4126
height / width / thickness	52 / 97 / 71	52 / 97 / 108	52 / 97 / 137
height / width / thickness	59 / 97 / 71	59 / 97 / 108	59 / 97 / 137
TECHNICAL CHARACTERISTICS			
function / type	Distribution 4-pole terminal board	Distribution 4-pole terminal board	Distribution 4-pole terminal board
number and diameter of holes	2 holes \varnothing 7.5 mm + 5 holes \varnothing 5.4 mm	2 holes \varnothing 9 mm + 2 holes \varnothing 7,5 mm + 7 holes \varnothing 5.4 mm	2 holes \varnothing 9 mm + 2 holes \varnothing 7,5 mm + 11 holes \varnothing 5,4 mm
rated cross-section (mm ²)	25	35	35
connecting capacity (hole \varnothing 9 mm):			
flexible (mm ²)		10 ÷ 35	10 ÷ 35
rigid (mm ²)		10 ÷ 35	10 ÷ 35
max. flexible with ferrule (mm ²)-ferrule type		25 - WP 250/29	25 - WP 250/29
connecting capacity (hole \varnothing 9 mm):			
flexible (mm ²)	10 ÷ 25	10 ÷ 25	10 ÷ 25
rigid (mm ²)	10 ÷ 25	10 ÷ 25	10 ÷ 25
max. flexible with ferrule (mm ²)-ferrule type	16 - WP160/22	16 - WP 160/22	16 - WP 160/22
connecting capacity (hole \varnothing 5,4 mm):			
flexible (mm ²)	2,5 ÷ 6	2,5 ÷ 6	2,5 ÷ 6
rigid (mm ²)	2,5 ÷ 6	2,5 ÷ 6	2,5 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	4 - WP40/16	4 - WP 40/16	4 - WP 40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	500 V / 100 A / -	500 V / 125 A / -	500 V / 125 A / -
Short-time withstand current (Icw) conf. to IEC 60947-7-1	3 kA (r.m.s value x 1s)	3 kA (r.m.s value x 1s)	3 kA (r.m.s value x 1s)
rated impulse withstand voltage / pollution degree	8 kV / 3	-	-
insulation stripping length (mm)	13	13	13
tightening torque value (test / max) (Nm)	1,8 / 2,2 Nm	1,8 / 2,2 Nm	1,8 / 2,2 Nm

APPROVALS



ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
Marking tag	printed or blank	CNU/8/51/... NU0851... CNU/10/51/... NU1051...	CNU/8/51/... NU0851... CNU/10/51/... NU1051...	CNU/8/51/... NU0851... CNU/10/51/... NU1051...	CNU/8/51/... NU0851... CNU/10/51/... NU1051...	CNU/8/51/... NU0851... CNU/10/51/... NU1051...
End bracket		BTU for PR/DIN and PR/3 BT005 BT/3-BTO for PR/3 only BT003-BT007	BTU for PR/DIN and PR/3 BT005 BT/3-BTO for PR/3 only BT003-BT007	BTU for PR/DIN and PR/3 BT005 BT/3-BTO for PR/3 only BT003-BT007	BTU for PR/DIN and PR/3 BT005 BT/3-BTO for PR/3 only BT003-BT007	BTU for PR/DIN and PR/3 BT005 BT/3-BTO for PR/3 only BT003-BT007
Mounting rail according to IEC 60715 Std.		PR/3/AC in acciaio PR003 PR/3/AS idem con asole PR005	PR/3/AC in acciaio PR003 PR/3/AS idem con asole PR005	PR/3/AC in acciaio PR003 PR/3/AS idem con asole PR005	PR/3/AC in acciaio PR003 PR/3/AS idem con asole PR005	PR/3/AC in acciaio PR003 PR/3/AS idem con asole PR005

POLM/N series

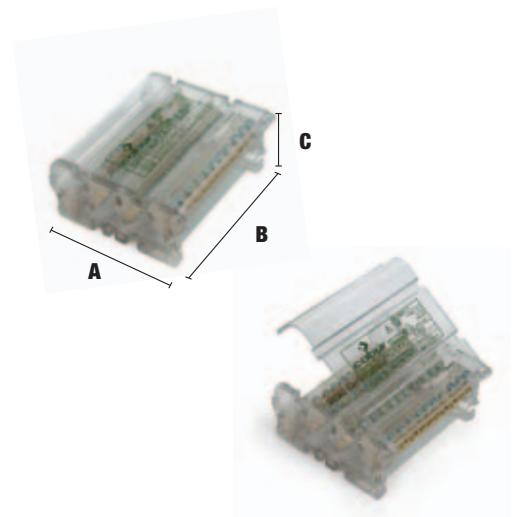
Distribution terminal boards

General characteristics

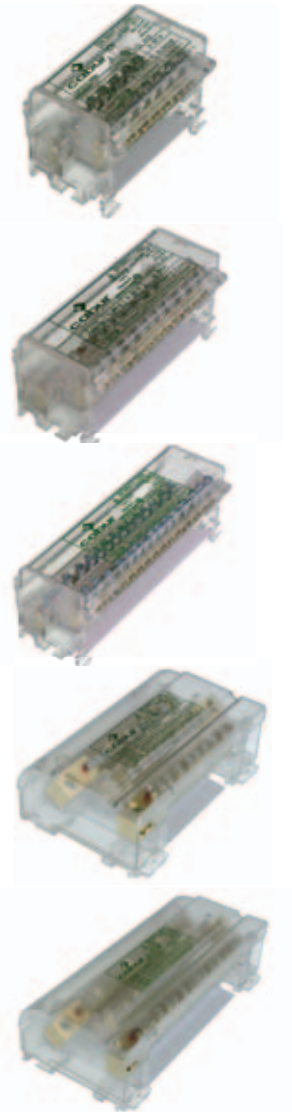
- Fixing: EN 50022 rail or panel-mount
- Insulating screen on each brass busbar
- Holes specially staggered for better cabling of the conductors
- IMQ certificate (extension) and conformity to EU 2006/95/EC Low Voltage Directive

Materials

- CW 614N Brass
- Zinc-plated steel screws with combined single-slot and Phillips heads
- Transparent polycarbonate



CAT. NO.	TYPE	DIAMETER OF BAR HOLES (mm)	BAR NUMBER	I MAX	V MAX	PACKAGE	A (mm)	B (mm)	C (mm)
QPOL2100N	POLM.2/100/N	5,0 x 5,5 2,0 x 7,5	2	100 A	500V	4	47,0	69,0	50,0
QPOL2125N	POLM.2/125/N	7,0 x 5,4 2,0 x 7,5 2,0 x 9,0	2	125 A	500V	2	47,0	106,0	50,0
QPOL2126N	POLM.2/126/N	11,0 x 5,4 2,0 x 7,5 2,0 x 9,0	2	125 A	500V	2	47,0	106,0	50,0
QPOL4160S	POLM.4/160/S	6,0 x 6,5 2,0 x 8,5 1,0 x 11,0	4	160 A	500V	1	87,0	135,0	52,0
QPOL4161N	POLM.4/161/N	9,0 x 6,5 4,0 x 8,5 1,0 x 11,0	4	160 A	500V	1	88,0	182,0	55,0



CONTC series

Applications

The terminals of the CONTC Series are mainly used inside junction boxes and, from a physical standpoint, can be considered as simple Kirchhoff's nodes.



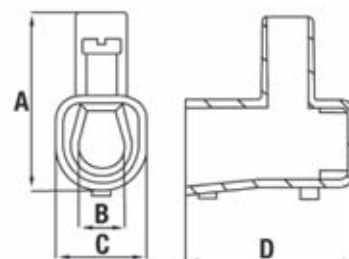
General characteristics

- Maximum withstand temperature: 130 °C
- Degree of protection: IPXXB according to IEC 60529 Std.
- High dielectric strength
- Resistance to tracking currents
- Screw-clamp



Materials

- These products comply with the essential requirements of the EU 2006/95/EC Low Voltage Directive
- CW 614N Brass
- Zinc-plated screws and dowels
- Transparent polycarbonate



CAT. NO.	TYPE	QUANTITY PER PACKAGE	RATED CROSS-SECTION (mm ²)	RATED CURRENT	RIGID OR FLEXIBLE CONDUCTORS		RATED VOLTAGE	SCREW CLAMP	DIMENSIONS (mm)			
					CONDUCTOR CROSS-SECTION (mm ²)	CONDUCTORS NO.			NUMBER OF POLES	A	B	C
CONTC01	CONTC/1,5	10	1,5	17,5A	1,5	2	450V	10	16,0	3,3	10,0	15,0
					1,0	2-3						
					0,75	2-4						
CONTC02	CONTC/2,5	10	2,5	24A	2,5	2	450V	10	17,6	3,7	8,4	17,6
					1,5	2-3						
					1,0	2-4						
CONTC04	CONTC/4	10	4,0	32A	4,0	2	450V	10	21,0	4,5	10,5	21,0
					2,5	2-3						
					1,5	2-4						
CONTC06	CONTC/6	10	6,0	41A	6,0	2	500V	10	23,0	5,6	11,5	22,5
					4,0	2-3						
					2,5	2-4						
CONTC10	CONTC/10	5	10,0	57A	10,0	2	500V	10	28,0	6,9	14,6	26,0
					6,0	2-3						
					4,0	2-4						
CONTC16	CONTC/16	5	16,0	76A	16,0	2	500V	10	33,0	9,0	19,7	31,0
					10,0	2-3						
					6,0	2-4						
CONTC25	CONTC/25	5	25,0	101A	25,0	2	500V	1	39,0	12,0	22,0	38,0
					16,0	2-3						
					10,0	2-4						
CONTC35	CONTC/35	5	35,0	125A	35,0	2	500V	1	46,0	14,0	25,0	44,0
					25,0	2-3						
					16,0	2-4						

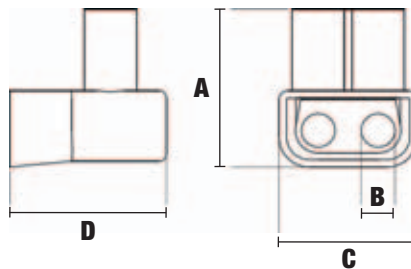
CONT series

Applications

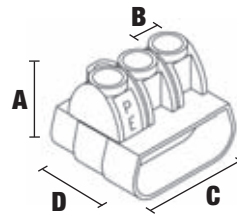
The terminals of the CONTC Series are mainly used inside junction boxes and, from a physical standpoint, can be considered as simple Kirchhoff's nodes.

General characteristics

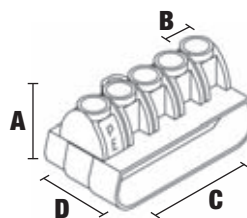
- CW 614N Brass
- Zinc-plated screws and dowels
- Transparent polycarbonate
- Maximum withstand temperature: 130 °C
- High dielectric strength
- Screw-clamp



CAT. NO.	TYPE	QUANTITY CF	RATED CROSS-SECTION (mm ²)	RATED VOLTAGE	SCREW-CLAMP	DIMENSIONS (mm)			
						A	B	C	D
CONT206	CONTC/2/6	100	6,0	450V	2	17,0	4,0	15,0	18,0
CONT216	CONTC/2/16	50	16,0	450V	2	24,5	6,0	20,0	25,0
CONT225	CONTC/2/25	40	25,0	450V	2	26,0	7,5	23,5	29,0
CONT235	CONTC/2/35	20	35,0	450V	2	29,5	9,5	32,0	32,0



CAT. NO.	TYPE	QUANTITY CF	RATED CROSS-SECTION (mm ²)	RATED VOLTAGE	SCREW-CLAMP	DIMENSIONS (mm)			
						A	B	C	D
CONT306	CONTC/3/6	5	6,0	500V	3	22,5	4,5	29,0	19,0
CONT316	CONTC/3/16	5	16,0	500V	3	26,0	6,0	33,5	22,5
CONT325	CONTC/3/25	5	25,0	500V	3	30,0	7,5	40,0	27,0



CAT. NO.	TYPE	QUANTITY CF	(mm ²) RATED CROSS-SECTION	RATED VOLTAGE	SCREW-CLAMP	DIMENSIONS (mm)			
						A	B	C	D
CONT506	CONTC/5/6	10	6,0	500V	5	22,5	4,5	45,0	19,0
CONT516	CONTC/5/16	5	16,0	500V	5	26,0	6,0	52,0	22,5
CONT525	CONTC/5/25	5	25,0	500V	5	31,0	7,5	62,0	22,5

CAMUT series

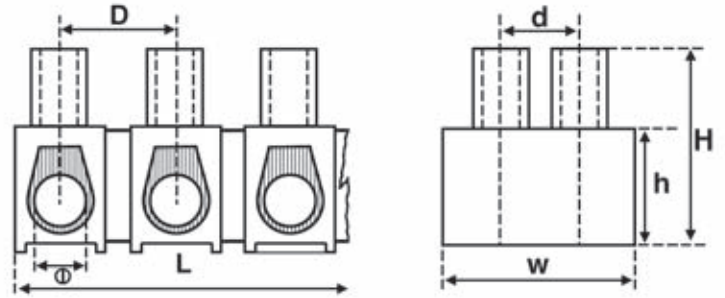
12-pole terminal strips

General characteristics

- Maximum withstand temperature: 80 °C
- Neutral colour

Materials

- Brass
- PA6 Polyamides
- Zinc-plated steel screws



CAT. NO.	TYPE	RATED CURRENT	CROSS-SECTION (mm²)	GAUGE	DIMENSIONS (mm)						
					L	W	Ø	D	d	H	h
Cod. CAMUT02	CAMUT.12/02	3A	2,5	A3	93,0	17,0	2,8	8,0	6,0	13,7	8,0
Cod. CAMUT04	CAMUT.12/04	5A	4,0	A3	117,0	19,0	3,3	9,8	6,5	15,9	9,0
Cod. CAMUT06	CAMUT.12/06	10A	6,0	A4	132,0	21,0	4,2	11,0	7,8	16,8	10,0
Cod. CAMUT10	CAMUT.12/10	15A	10,0	A5	141,0	23,0	4,5	11,7	8,5	19,0	10,8
Cod. CAMUT16	CAMUT.12/16	30A	16,0	B6	168,0	26,0	5,5	14,5	9,5	20,4	12,0
Cod. CAMUT25*	CAMUT.12/25	60A	25,0	B6	191,0	29,7	6,6	16,5	11,0	25,9	15,5
Cod. CAMUT35	CAMUT.12/35	80A	35,0	B6	207,0	36,5	7,0	18,0	14,0	30,0	19,0

* *Unfill sell-out*

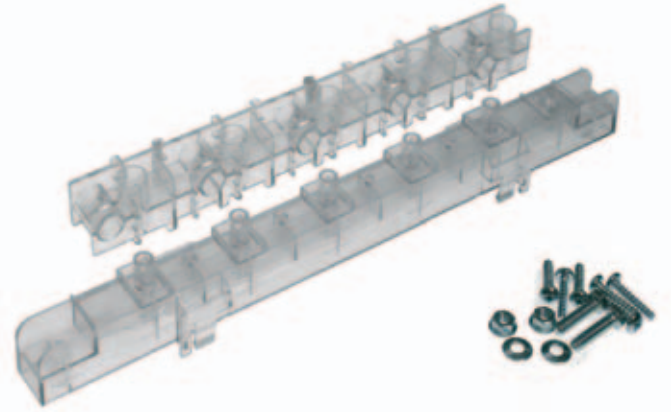
Copper bar supports

Applications

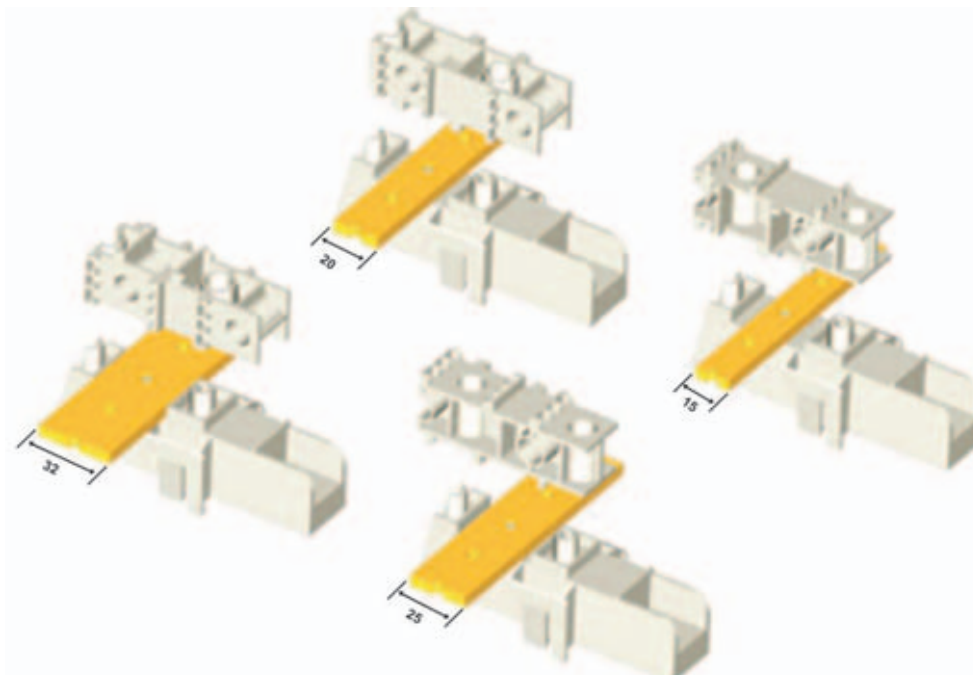
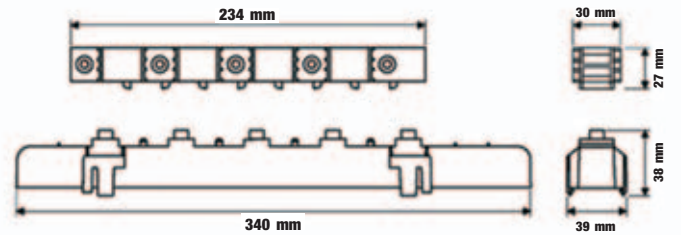
The SUPP/5400 support allows rapid and secure fixing of copper busbars for power distribution. The different dimensions of the busbars perfectly adapt to the SUPP/5400 support, by simply rotating the closing cover which has different sized grooves for the immediate fixing of any of the four different busbars indicated in the table. The last columns of the table indicate the support c-to-c (distance between centers) distances necessary in function of the maximum rated current and the maximum allowable short circuit current.

General characteristics

- Loads from 160A to 400A
- Equipped for insertion of the earthing bar, if necessary, in the 5 x 15 mm² and 5 x 20 mm² cross-sections
- Moulded in self-extinguishing plastic in compliance with UL94
- Can be mounted on rail or on panel

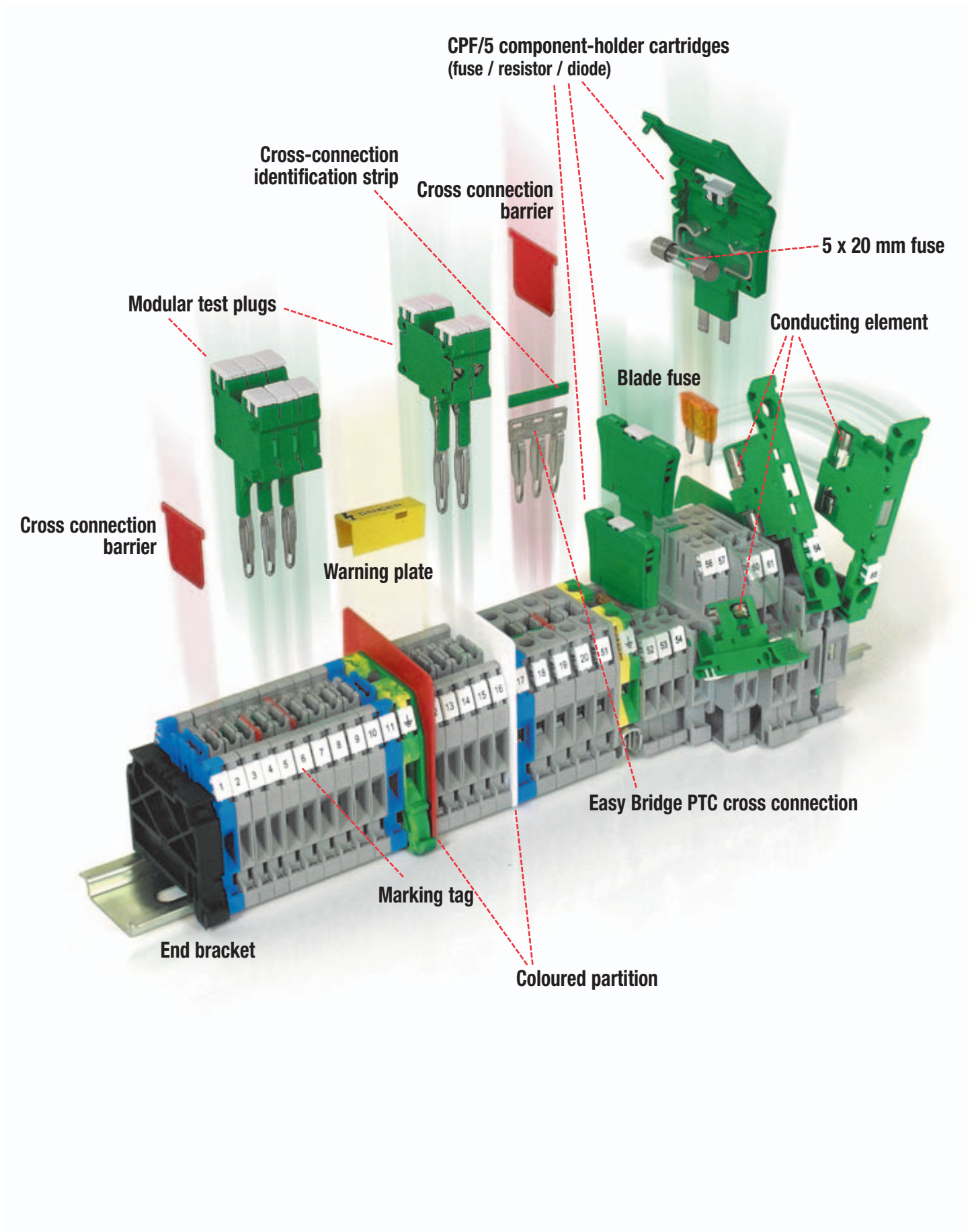


CAT. NO.	TYPE	CORRENT	DIMENSIONS	SHORT CIRCUIT CURRENT	
				5000V	10000V
CSBR5400	SUPP/5400	160A	5,0 x 15,0	500,0 mm	450,0 mm
		250A	5,0 x 20,0	750,0 mm	450,0 mm
		320A	5,0 x 25,0	750,0 mm	450,0 mm
		400A	5,0 x 32,0	750,0 mm	450,0 mm

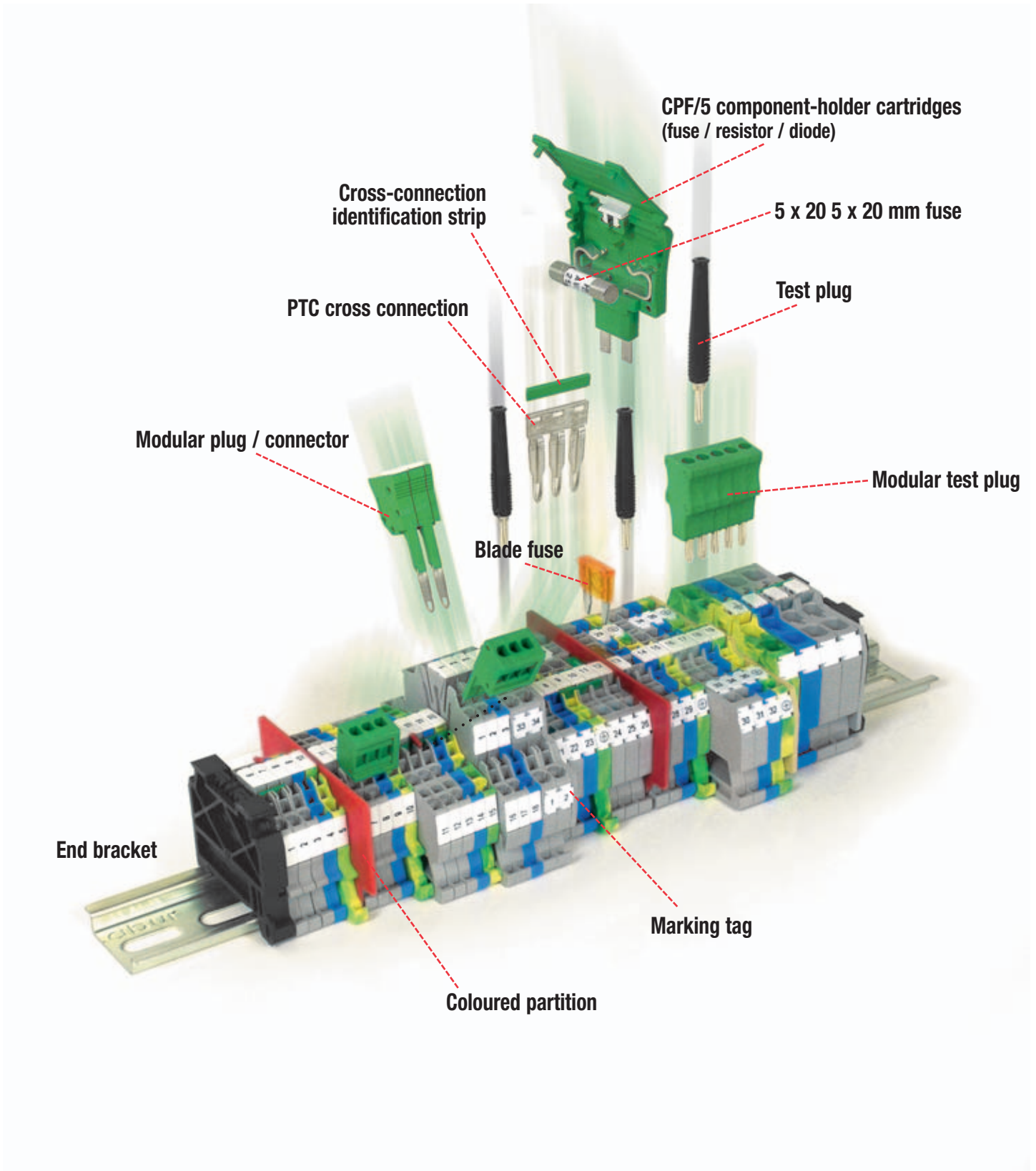


Accessories

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CBC Series terminal block and relevant accessories.



H Series terminal block and relevant accessories.

PT end sections

For each type and cross section of terminal block, there is a specific insulating and closing end section to be placed on the open element of each terminal board. This end section may also be used to separate different phases of adjoining terminal blocks linked by cross connections or to increase insulation distances where specific circumstances may require it. The end sections have the **same overall dimension as the related terminal block**, thicknesses are given in the table below.



Terminal block	End section			Terminal block	End section			Terminal block	End section		
	Type	Cat. No.	Thickness mm		Type	Cat. No.	Thickness mm		Type	Cat. No.	Thickness mm
Polyamide											
AFO.2/1+1	AFO/PT	AF201	1,5	HTE.6	HMT.6/PT	HM321GR	1,5	HMD.2N(Ex)i	HMD.1/PT(Ex)i	HD301	1,5
AFO.2/2+2	AFO/PT	AF201	1,5	HTE.1	HMT.1/PT	HM401GR	1,5	HMM.1(Ex)i	HMT.1/PT(Ex)i	HI401	1,5
AFO.2/2+2/TP	AFO/PT	AF201	1,5	HTE.1/1+2	HMT.1/1+2/PT	HM411GR	1,5	HMM.1/1+2(Ex)i	HMT.1/1+2/PT(Ex)i	HI411	1,5
CBC.2/GR	CBC.2-10/PT/GR	CB061GR	1,5	HTE.1/2+2	HMT.1/2+2/PT	HM421GR	1,5	HMM.1/2+2(Ex)i	HMT.1/2+2/PT(Ex)i	HI421	1,5
CBC.4/GR	CBC.2-10/PT/GR	CB061GR	1,5	HTTE.2	HLD.2/PT/GR	HL201GR	1,5	HMM.2(Ex)i	HMT.2/PT(Ex)i	HI501	1,5
CBC.6/GR	CBC.2-10/PT/GR	CB061GR	1,5	MPS.2/SV	MPS.2/PT	MP121	1,5	HMM.2/1+2(Ex)i	HMT.2/1+2/PT(Ex)i	HI511	1,5
CBC.10/GR	CBC.2-10/PT/GR	CB061GR	1,5	MPS.2/SW (*)	MPS.2/PT	MP121	1,5	HMM.2/2+2(Ex)i	HMT.2/2+2/PT(Ex)i	HI521	1,5
CBC.16/GR	CBC.16/PT/GR	CB161GR	1,5	MPS.2/SWP (*)	MPS.2/PT	MP121	1,5	HMM.4(Ex)i	HMT.4/PT(Ex)i	HI251	1,5
CBC.35/GR	CBC.35/PT/GR	CB351GR	1,5	MPS.4 (*)	MPS.4/PT	MP901	1,5	HMM.6(Ex)i	HMT.6/PT(Ex)i	HI321	1,5
CBD.2	CB2/PT	CB111	1,5	MPFA.4 (*)	MPS.4/PT	MP901	1,5	HP.2(Ex)i	HP/PT(Ex)i	HP201	1,5
CBD.4	CB4/6/PT	CB241	1,5	MPS.4/SV	MPS.4/PT	MP901	1,5	HP.2/P(Ex)i	HP/PT(Ex)i	HP201	1,5
CBD.6	CB4/6/PT	CB241	1,5	NCS (*)	NCS/PT	NC101	1,5	HPC.2(Ex)i	HP/PT(Ex)i	HP201	1,5
CBD.10	CB10/PT	CB431	1,5	NCV (*)	NCS/PT	NC101	1,5	HPC.2(Ex)i	HP/PT(Ex)i	HP201	1,5
CBD.16	CB16/PT	CB511	1,5	PDF.2 (*)	PDF/PT	PF101	1,5	HPC.2/P(Ex)i	HP/PT(Ex)i	HP201	1,5
CBD.35	CB35/PT	CB611	1,5	RFI.2/GR	RFN/PT/GR	RF101GR	1,5	HPP.2(Ex)i	HP/PT(Ex)i	HP201	1,5
CBD.50	CB50/PT	CB711	1,5	RN.1/GR	RFN/PT/GR	RF101GR	1,5	HPP.2/P(Ex)i	HP/PT(Ex)i	HP201	1,5
CBD.70	CB70/PT	CB811	1,5	RN.2/GR	RFN/PT/GR	RF101GR	1,5	MPS.2/SW(Ex)i	MPS.2/PT(Ex)i	MP131	1,5
CBE.2	CBR/PT	CR111	1,5	RP.4/GR	RP.4/PT/GR	RP301GR	1,5	MPS.4(Ex)i	MPS.4/PT(Ex)i	MP902	1,5
CBR.2 (*)	CBR/PT	CR111	1,5	SCB.4 (*)	SCB.4/PT	SB301	1,5	RN.1(Ex)i	RFN/PT(Ex)i	RF201	1,5
CVF.4 (*)	CVF/PT	CV101	1,5	SCB.6 (*)	SCB.6/PT	SB201	1,5	RN.2(Ex)i	RFN/PT(Ex)i	RF201	1,5
CVF.4/TP (*)	CVF/PT	CV101	1,5	SCB.6/DD (*)	SCB.6/PT	SB201	1,5	RP.4(Ex)i/PT	RP.4/PT(Ex)i	RP401	1,5
CVF.4/TPM	CVF/PT	CV101	1,5	SCB.10 (*)	SCB.10/PT	SB401	1,5	SFO.4(Ex)i	SFO/PT(Ex)i	SF601	1,5
CVF.4/VS (*)	CVF/PT	CV101	1,5	SCB.10/CD (*)	SCB.10/PT	SB401	1,5	SFR.4(Ex)i	SFR/PT(Ex)i	SF801	1,5
CVF.4/VS2	CVF/PT	CV101	1,5	SCB.10/DD (*)	SCB.10/PT	SB401	1,5	SFR.6(Ex)i	SFR.6/PT(Ex)i	SR401	1,5
CVF.4/WW (*)	CVF/PT	CV101	1,5	SCB.6/CD (*)	SCB.6/PT	SB201	1,5	TC/P0(Ex)i	CB2/PT(Ex)i	CBX13	1,5
DBC.2 (*)	DBC/PT	DB101	1,5	SFO.4	SFO/PT	SF401	1,5	TLD.2(Ex)i	TLD/PT(Ex)i	TL301	1,5
DAS.4 (*)	DAS/PT	DS101	1,5	SFO.4/C....	SFO/PT	SF401	1,5	VPC.2(Ex)i	VPC/PT(Ex)i	VP201	1,5
DAS.4/CI (*)	DAS/PT	DS101	1,5	SFR.4 (*)	SFR/PT	SF701	1,5	VPD.2(Ex)i	VPD/PT(Ex)i	VP561	1,5
DAS.4/SS (*)	DAS/PT	DS101	1,5	SFR.4/C....	SFR/PT	SF701	1,5	Melamine			
DSF.4/GR	DFS.4/PT/GR	DS401GR	1,5	SFR.4/D1A	SFR/PT	SF701	1,5	CDA.70/BB/BC/CC	CDA.70/PT	CD101	4
DSFA.4 (*)	DSS/PT	DS301	1,5	SFR.4/D3A	SFR/PT	SF701	1,5	CDA.120/BB/BC/CC	CDA.120/PT	CD401	4
DSS.4 (*)	DSS/PT	DS301	1,5	SFR.4/VS (*)	SFR/PT	SF701	1,5	CDA.185/BB/BC/CC	CDA.185/PT	CD701	5
FDP.2 (*)	FDP/PT	FD101	1,5	SFR.6 (*)	SFR.6/PT	SR301	1,5	EDM.2	EDM.2/PT	ED111	3
FFS.4 (*)	FFS/PT	FF101	1,5	TC/PO	CB2/PT	CB111	1,5	EDM.4	EDM.4-10/PT	ED401	3
FVS.4 (*)	FVS/PT	FV101	1,5	TEO.2	TEO.2/PT	TO901	1,5	EDM.6	EDM.4-10/PT	ED401	3
HCD.1/GR	HCD.1/PT/GR	HC201GR	1,5	TEO.4	TEO.4/PT	TO431	1,5	EDM.10	EDM.4-10/PT	ED401	3
HDE.2/GR	HLD.2/PT/GR	HL201GR	1,5	TED.4	TEO.4/PT	TO431	1,5	EDM.16	EDM.16/PT	ED501	3
HFR.4/GR	HFR.4/PT/GR	HF211GR	2	TDE.2 (*)	TLS/PT	TL101	1,5	EDM.25	EDM.25/PT	ED601	3
HFR.4/M/GR	HFR.4/PT/GR	HF211GR	2	TLD.2 (*)	TLD/PT	TL201	1,5	EDM.35	EDM.35/PT	ED701	3
HLD.2/GR	HLD.2/PT/GR	HL201GR	1,5	TLE.2 (*)	TLS/PT	TL101	1,5	EDM.70	EDM.70/PT	ED801	3,5
HMD.2/GR	HMD.2/PT/GR	HD101GR	1,5	TLS.2 (*)	TLS/PT	TL101	1,5	FLD.10/..	FLD/PT	FL101	3
HMF.4/GR	HMF/PT/GR	HF111GR	1,5	VPC.2 (*)	VPC/PT	VP101	1,5	SCX.10	SCX/PT	SC101	3
HSCB.4/GR	HSCB.4/PT/GR	HB101GR	1,5	VPC.2/GV	VPC/PT	VP101	1,5	SFC.10	SFC/PT	FC101	5
HSCB.6/GR	HSCB.6/PT/GR	HB201GR	1,5	VPD.2 (*)	VPD/PT	VP501	1,5	SFL.10	SFC/PT	FC101	5
HMM.2/GR	HMT.2/PT/GR	HM501GR	1,5	TR.2	TR.2/PT	TR111	1,5	SV.2	SV.2/PT	SV101	3
HMM.2/1+2/GR	HMT.2/1+2/PT/GR	HM511GR	1,5	(Ex)i Polyamide				SV.4	SV.4/PT	SV201	3
HMM.2/2+2/GR	HMT.2/2+2/PT/GR	HM521GR	1,5	CBC.2(Ex)i	CBC.2-10/PT(Ex)i	CBI061	1,5	SV.6	SV.6/PT	SV301	3,5
HMM.2/2+2/S/GR	HMT.2/2+2/PT/GR	HM521GR	1,5	CBC.4(Ex)i	CBC.2-10/PT(Ex)i	CBI061	1,5	SV.10	SV.10/PT	SV401	3,5
HMM.4/GR	HMT.4/PT/GR	HM251GR	1,5	CBC.6(Ex)i	CBC.2-10/PT(Ex)i	CBI061	1,5	TC/DIN	EDM2/PT	ED111	3
HMM.1/GR	HMT.1/PT/GR	HM401GR	1,5	CBC.10(Ex)i	CBC.2-10/PT(Ex)i	CBI061	1,5	VLM.10	VLM/PT	VL201	3
HMM.1/1+2/GR	HMT.1/1+2/PT	HM411GR	1,5	CBC.16(Ex)i	CBC.16/PT(Ex)i	CBI161	1,5	(Ex)i Melamine			
HMM.1/2+2/GR	HMT.1/2+2/PT	HM421GR	1,5	CBC.16(Ex)i	CBC.16/PT(Ex)i	CBI161	1,5	EDM.2(Ex)i	EDM.2/PT(Ex)i	EI111	3
HMD.1/GR	HMD.1/PT/GR	HD201GR	1,5	CBC.35(Ex)i	CBC.35/PT(Ex)i	CBI351	1,5	EDM.4(Ex)i	EDM.4-10/PT(Ex)i	EI401	3
HMD.2N/GR	HMD.1/PT/GR	HD201GR	1,5	CBD.2(Ex)i	CB2/PT(Ex)i	CBX13	1,5	EDM.6(Ex)i	EDM.4-10/PT(Ex)i	EI401	3
HMM.6/GR	HMT.6/PT/GR	HM321GR	1,5	CBD.4(Ex)i	CB4/6/PT(Ex)i	CBX25	1,5	EDM.10(Ex)i	EDM.4-10/PT(Ex)i	EI401	3
HMS.2/GR	HMT.2/2+2/PT/GR	HM521GR	1,5	CBD.6(Ex)i	CB4/6/PT(Ex)i	CBX25	1,5	EDM.16(Ex)i	EDM.16/PT(Ex)i	EI501	3
HMFA.2/GR	HMT.2/1+2/PT/GR	HM511GR	1,5	CBD.10(Ex)i	CB10/PT(Ex)i	CBX44	1,5	EDM.25(Ex)i	EDM.25/PT(Ex)i	EI601	3
HP.2/GR	HPV/PT/GR	HV111GR	1,5	CBD.16(Ex)i	CB16/PT(Ex)i	CBX53	1,5	EDM.35(Ex)i	EDM.35/PT(Ex)i	EI701	3
HPC.2/GR	HPV/PT/GR	HV111GR	1,5	CBD.35(Ex)i	CB35/PT(Ex)i	CBX63	1,5	EDM.70(Ex)i	EDM.70/PT(Ex)i	EI801	3,5
HPP.2/GR	HP/PT/GR	HV101GR	1,5	CBD.50(Ex)i	CB50/PT(Ex)i	CBX73	1,5	SV.2(Ex)i	SV.2/PT(Ex)i	SI101	3
HTE.2	HMT.2/PT	HM501GR	1,5	CBD.70(Ex)i	CB70/PT(Ex)i	CBX83	1,5	SV.4(Ex)i	SV.4/PT(Ex)i	SI201	3
HTE.2/1+2	HMT.2/1+2/PT	HM511GR	1,5	CVF.4(Ex)i	CVF/PT(Ex)i	CV201	1,5	SV.6(Ex)i	SV.6/PT(Ex)i	SI301	3,5
HTE.2/2+2	HMT.2/2+2/PT	HM521GR	1,5	DAS.2(Ex)i	DBC/PT(Ex)i	DB201	1,5	SV.10(Ex)i	SV.10/PT(Ex)i	SI401	3,5
HTE.4	HMT.4/PT	HM251GR	1,5	DAS.4/CI(Ex)i	DAS/PT(Ex)i	DS201	1,5	TC/DIN(Ex)i	EDM2/PT(Ex)i	EI101	3
				HMD.1(Ex)i	HMD.1/PT(Ex)i	HD301	1,5				

End brackets

BTU

Cat. No. **BT005**

Universal end bracket, suitable for rails according to either IEC 60715 type "G32" or IEC 60715/TH35 (types PR/DIN and PR/3); can be mounted directly in the desired position and does not require screw fixing.

- of black polyamide
- thickness: 8 mm

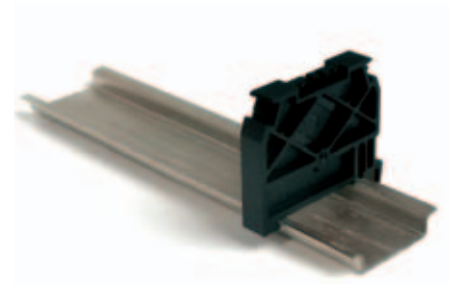


BT0

Cat. No. **BT007**

End bracket, suitable for rails according to IEC 60715/TH 35 (types PR/3); can be mounted directly in the desired position and does not require screw fixing. Especially suitable for fixing screw, high type.

- of black polyamide
- thickness: 8 mm

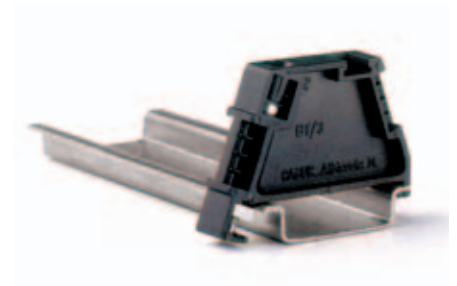


BT/3

Cat. No. **BT003**

To be mounted on rails according to IEC 60715/TH35 Std. (type PR/3)

- of black polyamide
- thickness: 8 mm



BT/2

Cat. No. **BT006**

To be mounted on rails according to IEC 60715/TH35 Std. (type PR/2)

- of black polyamide
- thickness: 8 mm

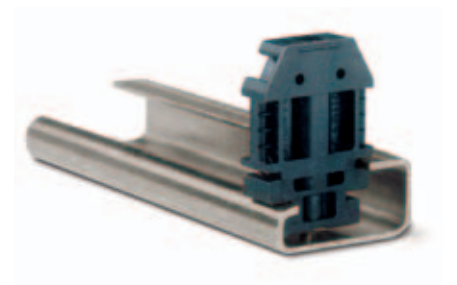


BT/DIN/PO

Cat. No. **BT001**

To be mounted on rails according to IEC 60715 Std. type "G32" (type PR/DIN)

- of black polyamide
- thickness: 8 mm



CDA/BT

Cat. No. **CD003**

To be mounted on rails according to IEC 60715 Std. type "G32" (type PR/DIN)

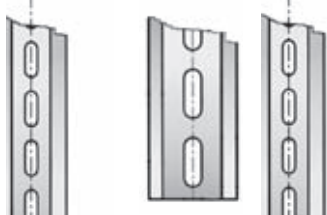
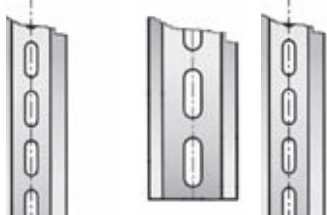
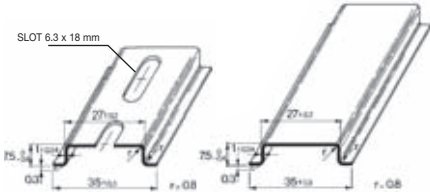
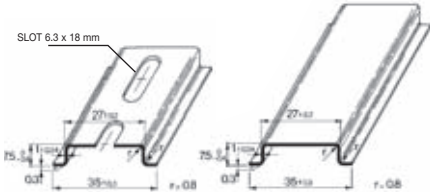
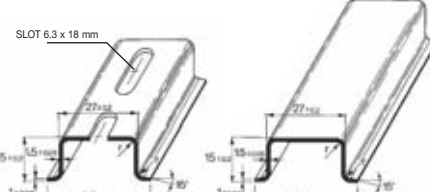
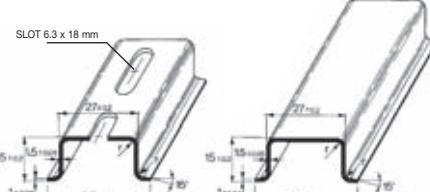
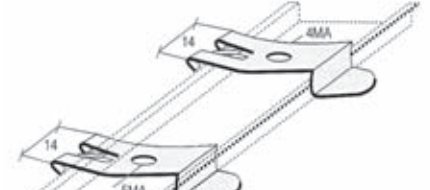
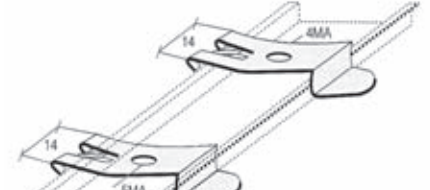
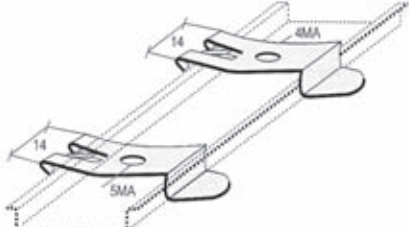
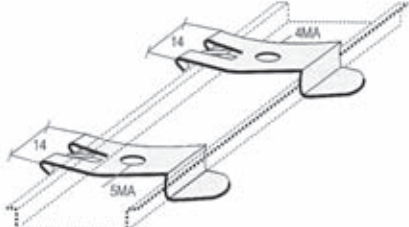
- in brass (particularly suitable for rail assemblies formed by terminal blocks of larger dimensions, such as GPM, GPA, CDA and ACB)
- thickness: 11 mm



Mounting rails

- according to IEC 60715/TH35 - 7,5
- according to IEC 60715/TH35 - 15
- supports for TH/35 type rail



DESCRIPTION	TYPE/CAT. NO.	IMAGES
IEC 60715/TH35 - 7.5 rail of passivated steel	PR/3/AC Cat. No. PR003	
IEC 60715/TH35 - 7.5 rail of white zinc-plated steel "SENDZMIR" system	PR/3/AC/ZB Cat. No. PR903	
IEC 60715/TH35 - 7.5 rail of passivated steel with slots	PR/3/AS Cat. No. PR005	
IEC 60715/TH35 - 7.5 rail of white zinc-plated steel "SENDZMIR" system with slots	PR/3/AS/ZB Cat. No. PR905	
IEC 60715/TH35 - 15 rail of passivated steel	PR/3/PP Cat. No. PR007	
IEC 60715/TH35 - 15 rail of white zinc-plated steel "SENDZMIR" system	PR/3/PP/ZB Cat. No. PR907	
IEC 60715/TH35 - 15 rail of passivated steel with slots	PR/3/PA Cat. No. PR006	
IEC 60715/TH35 - 15 rail of white zinc-plated steel "SENDZMIR" system with slots	PR/3/PA/ZB Cat. No. PR906	
Support for IEC 60715/TH35 rail of nickel plated steel and with rapid mounting system 4 MA	ACI121017 Cat. No. Z121017	
Support for IEC 60715/TH35 rail of nickel plated steel and with rapid mounting system 5 MA	ACI121019 Cat. No. Z121019	

Mounting rails

- according to IEC 60715 “G32” type rail
- according to IEC 60715/TH15 - 5,5



DESCRIPTION	TYPE/CAT. NO.	IMAGES
IEC 60715 “G32” type rail of passivated steel	PR/DIN/AC Cat. No. PR001	
IEC 60715 “G32” type rail of white zinc-plated steel “SENDZMIR” system	PR/DIN/AC/ZB Cat. No. PR901	
IEC 60715 “G32” type rail of passivated steel with slots	PR/DIN/AS Cat. No. PR004	
IEC 60715 “G32” type rail of white zinc-plated steel “SENDZMIR” system with slots	PR/DIN/AS/ZB Cat. No. PR904	
IEC 60715 “G32” type rail of aluminium	PR/DIN/AL Cat. No. PR002	
IEC 60715/TH15 – 5.5 rail of passivated steel	PR/2/AC Cat. No. PR009	
IEC 60715/TH15 – 5.5 rail of white zinc-plated steel “SENDZMIR” system	PR/2/AC/ZB Cat. No. PR909	
IEC 60715/TH15 – 5.5 rail of passivated steel with slots	PR/2/AS Cat. No. PR010	
IEC 60715/TH15 – 5.5 rail of white zinc-plated steel “SENDZMIR” system with slots	PR/2/AS/ZB Cat. No. PR910	

Accessories for mounting rails

- inclined bracket

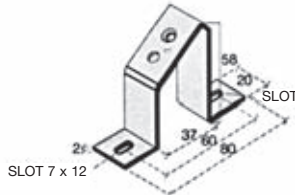
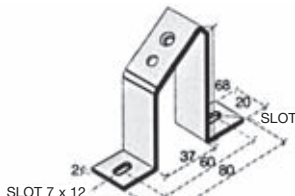
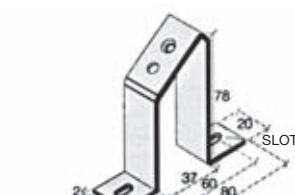
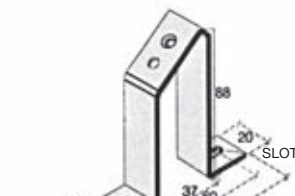
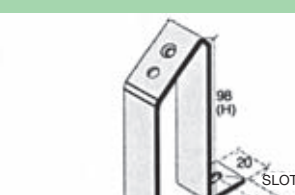


DESCRIPTION	TYPE/CAT. NO.	IMAGES
<p>Zinc-plated inclined bracket 6 x 6 mm copper busbar holder, with possibility to mount an earth collecting busbar alongside the whole length of the terminal board</p>	<p>ACI121116 Cat. No. Z121116</p>	
<p>Zinc-plated inclined bracket 6 x 6 mm copper busbar holder, with possibility to mount an earth collecting busbar alongside the whole length of the terminal board</p>	<p>ACI121301 Cat. No. Z121301</p>	
<p>Zinc-plated inclined bracket "2" M5 standard busbar holder, with 2 screw fixing</p>	<p>ACI121311 Cat. No. Z121311</p>	
<p>Zinc-plated inclined bracket "2" M6 standard busbar holder, with 2 screw fixing</p>	<p>ACI121314 Cat. No. Z121314</p>	
<p>22°30' inclined bracket "6" M6 standard busbar holder, with 1 screw fixing</p>	<p>ACI121415 Cat. No. Z121415</p>	
<p>45° inclined bracket "1" M6 standard busbar holder, with 1 screw fixing</p>	<p>ACI121228 Cat. No. Z121228</p>	

Accessories for mounting rails

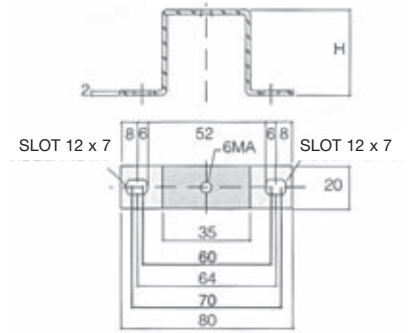
- inclined zinc plated rail brackets, suitable for mounting rail fixing - M6 threaded hole



DESCRIPTION	TYPE/CAT. NO.	IMAGES
<p>Inclined rail holder, standard H = 58 mm</p>	<p>ACI121316</p> <p>Cat. No. Z121316</p>	
<p>Inclined rail holder, standard H = 68 mm</p>	<p>ACI121317</p> <p>Cat. No. Z121317</p>	
<p>Inclined rail holder, standard H = 78 mm</p>	<p>ACI121318</p> <p>Cat. No. Z121318</p>	
<p>Inclined rail holder, standard H = 88 mm</p>	<p>ACI121319</p> <p>Cat. No. Z121319</p>	
<p>Inclined rail holder, standard H = 98 mm</p>	<p>ACI121410</p> <p>Cat. No. Z121410</p>	

Accessories for mounting rails

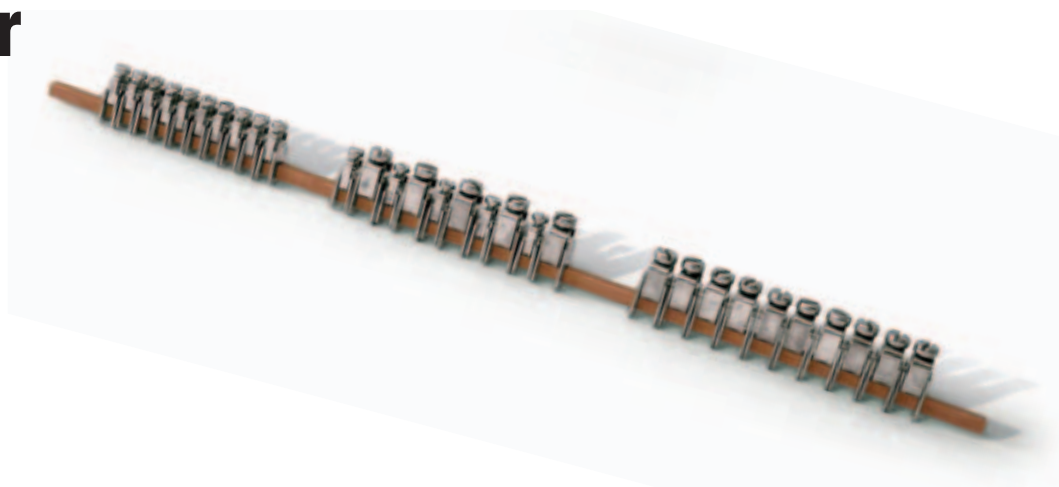
- flat zinc plated brackets, suitable for mounting rail fixing - M6 threaded hole



Fixing distance between centers, with 6MA screw, from 60 to 70 mm

DESCRIPTION	TYPE/CAT. NO.	IMAGES
Flat rail support, standard H = 20 mm	ACI121213 Cat. No. Z121213	
Flat rail support, standard H = 25 mm	ACI121214 Cat. No. Z121214	
Flat rail support, standard H = 30 mm	ACI121215 Cat. No. Z121215	
Flat rail support, standard H = 40 mm	ACI121216 Cat. No. Z121216	
Flat rail support, standard H = 50 mm	ACI121217 Cat. No. Z121217	
Flat rail support, standard H = 70 mm	ACI121218 Cat. No. Z121218	
Flat rail support, standard H = 90 mm	ACI121219 Cat. No. Z121219	

Accessories for mounting rails



DESCRIPTION	TYPE / CAT. NO.	IMAGES
6 x 6 mm copper busbar L = 2 m suited for the the mounting of terminals for the grounding of electrical cables	ACI121123 Cat. No. Z121123	
6 x 6 mm copper busbar blocking terminal with 6 MA x 12 mm screw	ACI121118 Cat. No. Z121118	
Terminal with saddle for 6 x 6 mm copper busbar cable cross-section from 0.5 to 16 mm ²	ACI121119 Cat. No. Z121119	
Terminal with saddle for 6 x 6 mm copper busbar cable cross-section from 4 to 35 mm ²	ACI121121 Cat. No. Z121121	
Special hexagon slot 6 MA x 12 mm screw	ACI121026 Cat. No. Z121026	
Special hexagon slot 5 MA x 10 mm screw	ACI121421 Cat. No. Z121421	
4 MA nut for rapid mounting onto 32 x 9 x 15 mm steel rails	ACI121211 Cat. No. Z121211	
5 MA nut for rapid mounting onto 32 x 9 x 15 mm steel rails	ACI121212 Cat. No. Z121212	
6 x 6 mm copper busbar blocking terminal with 6 MA x 25 mm screw	ACI121221 Cat. No. Z121221	
Inclined copper busbar support with 6 MA x 10 mm screw and 6 MA nut	ACI121307 Cat. No. Z121307	

Pre-assembled cross sections

They are supplied in 2, 3, 5 or 10-pole pre-assembled configuration.

They allow the cross connection between two or more adjacent terminal blocks; their position once mounted is such as to **prevent injuries**.

All the components are made of nickel-plated brass.



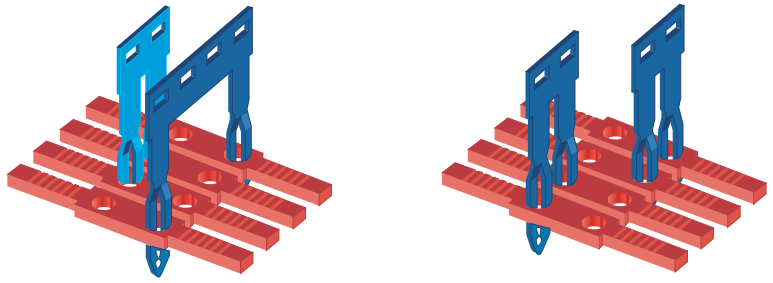
Screw-clamp terminal blocks

Terminal block	2-pole jumper		3-pole jumper		5-pole jumper		10-pole jumper	
	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
CBD.2	PM/20/2	PM202	PM/20/3	PM203	PM/20/5	PM205	PM/20/10	PM210
CBD.4	PM/40/2	PM402	PM/40/3	PM403	PM/40/5	PM405	PM/40/10	PM400
CBD.6	PM/60/2	PM602	PM/60/3	PM603	PM/60/5	PM605	PM/60/10	PM610
CBD.10	PM/10/2	PM102	PM/10/3	PM103	PM/10/5	PM105	PM/10/10	PM100
CBR.2	PM/25/2	PM252	PM/25/3	PM253	PM/25/5	PM255	PM/25/10	PM250
CVF.4	PM/40/2	PM402	PM/51/3	PM513	PM/51/5	PM515	PM/51/10	PM510
DAS.4	PM/41/2	PM412	PM/51/3	PM513	PM/51/5	PM515	PM/51/10	PM510
EDM.2	PM/20/2	PM202	PM/20/3	PM203	PM/20/5	PM205	PM/20/10	PM210
EDM.4	PM/40/2	PM402	PM/40/3	PM403	PM/40/5	PM405	PM/40/10	PM400
EDM.6	PM/60/2	PM602	PM/60/3	PM603	PM/60/5	PM605	PM/60/10	PM610
EDM.10	PM/10/2	PM102	PM/10/3	PM103	PM/10/5	PM105	PM/60/10	PM610
FDP.2	PH/2,5-4	PH100						
FFS.4	PM/41/2	PM412	PM/41/3	PM413	PM/41/5	PM415	PM/41/10	PM410
FVS.4	PM/41/2	PM412	PM/41/3	PM413	PM/41/5	PM415	PM/41/10	PM410
MPS2/SV	PM/91/2	PM912	PM/91/3	PM913	PM/91/5	PM915	PM/91/10	PM910
MPS.2/SW	PM/91/2	PM912	PM/91/3	PM913	PM/91/5	PM915	PM/91/10	PM910
MPS.2/SWP	PM/91/2	PM912	PM/91/3	PM913	PM/91/5	PM915	PM/91/10	PM910
RN.1	PM/11/2	PM112	PM/11/3	PM113	PM/11/5	PM115	PM/11/10	PM110
RP.4	PM/41/2	PM412	PM/51/3	PM513	PM/51/5	PM515	PM/51/10	PM510
SCB.4	PM/41/2	PM412	PM/41/3	PM413	PM/41/5	PM415	PM/41/10	PM410
SFO.4	PM/90/2	PM902	PM/90/3	PM903	PM/90/5	PM905	PM/90/10	PM900
TDE.2	PM/20/2	PM202	PM/30/3	PM303	PM/30/5	PM305	PM/30/10	PM310
TLD.2	PM/20/2	PM202	PM/30/3	PM303	PM/30/5	PM305	PM/30/10	PM310
TLE.2	PM/20/2	PM202	PM/30/3	PM303	PM/30/5	PM305	PM/30/10	PM310
TLS.2	PM/20/2	PM202	PM/30/3	PM303	PM/30/5	PM305	PM/30/10	PM310
RN.2	PM/12/2	PM122	PM/12/3	PM123	PM/12/5	PM125	PM/12/10	PM120
Insulated jumper								
MAC.6	PIL/2 (2 poli)	PIL02	PIL/3 (3 poli)	PIL03	PIL/4 (4 poli)	PIL04	PIL/8 (8 poli)	PIL08

Cross connections

Easy Bridge System

- screwless, snap-in insertion
- transversal and staggered mode connection possibility
- once inserted, **intrinsically IPXXB protected** resulting installation, without the need for further insulating covers
- patented system



- 1
 - 2
 - 3
 - 4
 - 5
- 1-2** After having cut the bar according to the number of poles, insert the cross-connection, in the appropriate groove of the terminal block. At this point, by using the blade of a screwdriver, push down the cross-connection until it reaches its blocking point. The cross connection will be fully insulated and intrinsically IPXXB protected.
- 3-4** After having mounted the cross-connection, the connected poles can be outlined and detected by the PTC/SP green strip. This strip is supplied in the 100 mm standard length and it can be easy cut to the appropriate length with the aid of a cutter.
- 5** To remove the cross-connection, it is sufficient to remove the PTC/SP strip: insert the blade of the screwdriver in the jumper slot, then lift it up and finally extract it.

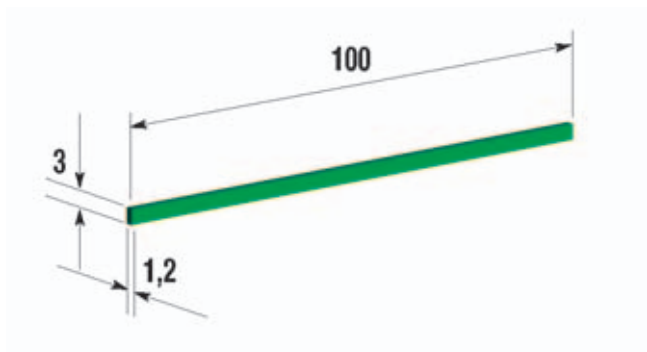
Terminal block	2-pole jumper		3-pole jumper		5-pole jumper		10-pole jumper		Jumper l = 250 mm		
	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Poles
CBC.2/GR	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205	PTC/2/10	PTC0210	PTC/2/00	PTC0200	50
CBC.4/GR	PTC/4/02	PTC0402	PTC/4/03	PTC0403	PTC/4/05	PTC0405	PTC/4/10	PTC0410	PTC/4/00	PTC0400	42
CBC.6/GR	PTC/6/02	PTC0602	PTC/6/03	PTC0603	PTC/6/05	PTC0605	PTC/6/10	PTC0610	PTC/6/00	PTC0600	31
CBC.10/GR	PTC/10/02	PTC1002	PTC/10/03	PTC1003	PTC/10/05	PTC1005	PTC/10/10	PTC1010	PTC/10/00	PTC1000	25
DBC.2 (*)	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205	PTC/2/10	PTC0210	PTC/2/00	PTC0200	50
DSFA.4 (*)	PTC/4/02	PTC0402	PTC/4/03	PTC0403	PTC/4/05	PTC0405	PTC/4/10	PTC0410	PTC/4/00	PTC0400	42
DSS.4 (*)	PTC/4/02	PTC0402	PTC/4/03	PTC0403	PTC/4/05	PTC0405	PTC/4/10	PTC0410	PTC/4/00	PTC0400	42
HMM.1/GR (**)	PTC/1/02	PTC0102	PTC/1/03	PTC0103	PTC/1/05	PTC0105	PTC/1/10	PTC0110	PTC/1/00	PTC0100	50
HMD.1/GR	PTC/1/02	PTC0102	PTC/1/03	PTC0103	PTC/1/05	PTC0105	PTC/1/10	PTC0110	PTC/1/00	PTC0100	50
HCD.1/GR	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205	PTC/2/10	PTC0210	PTC/2/00	PTC0200	50
HDE.2/GR (**)	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HLD.2/GR (**)	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HFR.4/GR	PTC/5/02	PTC0502	-	-	-	-	-	-	-	-	-
HFR.4/M/GR	PTC/5/02	PTC0502	PTC/5/03	PTC0503	PTC/5/05	PTC0505	PTC/5/10	PTC0510	PTC/5/00	PTC0500	40
HMM.2/GR (**)	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HMS.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HMFA.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HMM.4/GR (**)	PTC/5/02	PTC0502	PTC/5/03	PTC0503	PTC/5/05	PTC0505	PTC/5/10	PTC0510	PTC/5/00	PTC0500	40
HMFA.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HSCB.4/GR	PTC/5/02	PTC0502	PTC/5/03	PTC0503	PTC/5/05	PTC0505	PTC/5/10	PTC0510	PTC/5/00	PTC0500	40
HSCB.6/GR	PTC/8/02	PTC0802	PTC/8/03	PTC0803	PTC/8/05	PTC0805	PTC/8/10	PTC0810	PTC/8/00	PTC0800	30
HMM.6/GR	PTC/8/02	PTC0802	PTC/8/03	PTC0803	PTC/8/05	PTC0805	PTC/8/10	PTC0810	PTC/8/00	PTC0800	30
HMM.10/GR	PTC/11/02	PTC1102	PTC/11/03	PTC1103	PTC/11/05	PTC1105	PTC/11/10	PTC1110	PTC/11/00	PTC1100	25
HMM.16/GR	PTC/16/02	PTC1602	PTC/16/03	PTC1603	PTC/16/05	PTC1605	PTC/16/10	PTC1610	PTC/16/00	PTC1600	20
HVPC.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
CHP.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
CHP.2D/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HPP.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HP.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HPC.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
MPS.4 (*)	PTC/4/02	PTC0402	PTC/4/03	PTC0403	PTC/4/05	PTC0405	PTC/4/10	PTC0410	PTC/4/00	PTC0400	42
MPFA.4 (*)	PTC/4/02	PTC0402	PTC/4/03	PTC0403	PTC/4/05	PTC0405	PTC/4/10	PTC0410	PTC/4/00	PTC0400	42
SFR.6 (*)	PTC/20/02	PTC2002	PTC/20/03	PTC2003	PTC/20/05	PTC2005	PTC/20/10	PTC2010	PTC/20/00	PTC2000	25
VPC.2 (*)	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205	PTC/2/10	PTC0210	PTC/2/00	PTC0200	50
VPD.2 (*)	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205	PTC/2/10	PTC0210	PTC/2/00	PTC0200	50

(*) Item available in grey colour too.

(**) Including versions /1+2, /2+2, and the corresponding earth terminal blocks

Cross connections

Easy Bridge System



In addition to the traditional system Easy Bridge, the new high visibility bridge “Bridge Plus Easy” is now available.

In badly lit panels it is not always immediate and easy to see where jumpers are inserted, except by paying great attention; and this can cause connection errors.

In order to solve this problem that Cabur has developed a marking strip to be used on its terminal blocks, where PTC jumpers are employed, this simplifies their localization, once inserted.

Only one model (PTC/SP – Cat. No. PTC0990) for all the terminal blocks has been developed, independently of the pitch or model of the PTC jumper being employed.

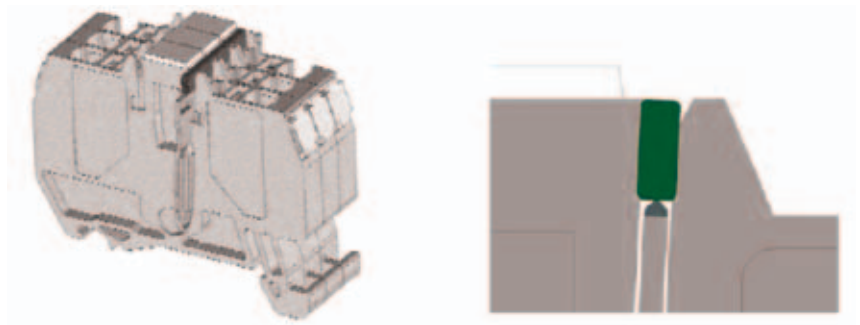
The marking strip must be fit in the jumper housing; its steadiness on the terminal block is guaranteed by the friction on the sides of the slots where the jumper is being inserted.

HMM.2 terminal block application examples

The marking strip dimensions are studied so that it cannot exceed the profile of any terminal block on which it can be applied, in order to avoid problems with numbers, cables or other accessories.

The marking strip can be applied in case of double jumpers.

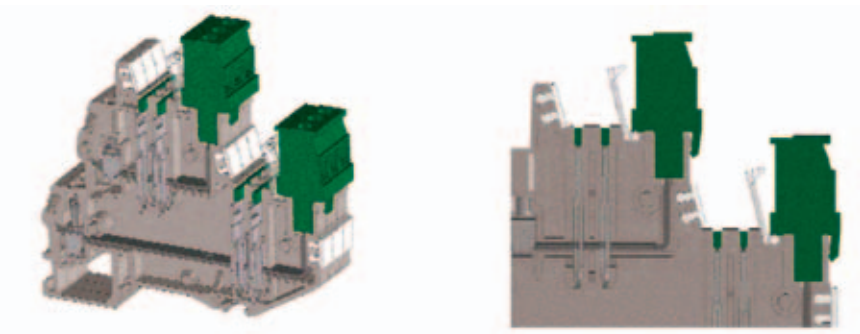
It should be noted that it is possible to apply the marking strip where other accessories are present, without having to extract it in advance.



Examples of application on the VPD.2 terminal block

The marker is produced in strips 100 mm long, and supplied in green. The user can customise the strips length freely, depending on his needs.

The strips, made of polyamide, can be easily cut by using common pliers, as they are only 1.20 mm thick.

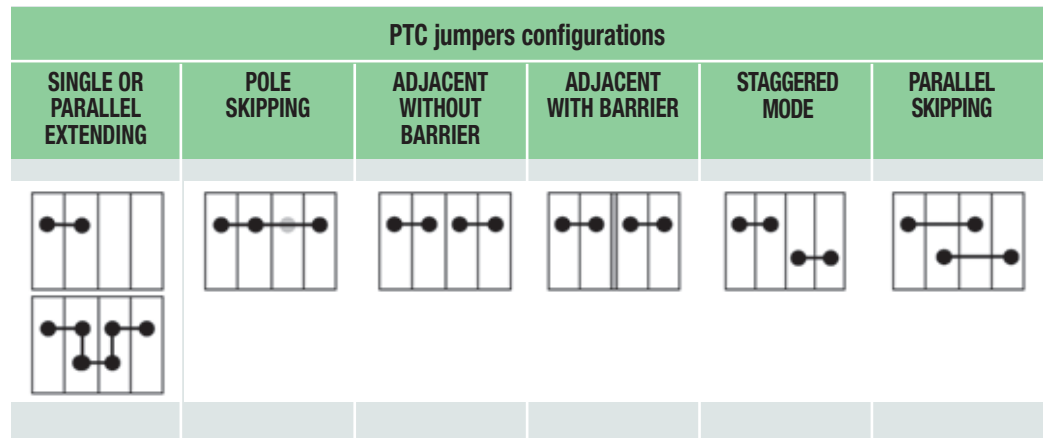


NOTE. The PTC/SP marking strip can be applied on any terminal block where PTC jumpers are used (see the list), except for HCD.1 and HMD.2N terminal blocks: here the shape of the jumper housing is such as to prevent the frictioning, which is necessary to guarantee a steady positioning and avoid the marking strip loss. Moreover, the jumpers on these two terminal blocks have a less deep insertion than all the others and therefore the presence of the jumper can be recognized without the need of a signaler.

Cross connections

Easy Bridge System

In order to guarantee proper safety conditions, once the insertion is performed and depending on the various connection schemes, which can be obtained using PTC jumpers, the following table is supplied:



Terminal block	Jumper type	Insulation voltage in the above configurations (V)					
		630	500	-	500	500	500
CBC.2/GR	PTC/2	630	630	-	500	500	500
CBC.4/GR	PTC/4	630	500	-	500	500	500
CBC.6/GR	PTC/6	630	630	-	630	630	500
CBC.10/GR	PTC/10	800	630	-	630	800	500
VPC.2	PTC/2	320	320	-	320	320	320
HMFA.2 - HMS.2	PTC/3	630	500	-	500 (*)	-	-
Serie HMM.1	PTC/1	630	630	-	320	630	630
Serie HMM.2	PTC/3	630	500	-	500 (*)	630	630
Serie HMM.4	PTC/5	500	500	-	500 (*)	500	500
HMM.10	PTC/11	1000	1000	-	800	1000	1000
HMM.16	PTC/16	1000	1000	-	800	1000	800
DBC.2	PTC/2	630	500	-	250 (**)	500	500
HCD.1	PTC/2	630	500	-	630 (***)	500	500
HCD.1	PTC/2	320	320	-	320	320	320
HVPC.2/GR	PTC/3	500	500	-	500 (*)	500	500
CHP.2/GR - CHP.2D/GR	PTC/11	500 (630)	500	-	400 (*)	-	-
HPP.2/GR - HP.2/GR	PTC/3	400	400	-	800 (PT)	500	400
HPC.2/GR	PTC/3	400	400	-	800 (PT)	400	400
SFR.6	PTC/20	630	630	400	630	630	500
MPS.4-MPFA.4	PTC/4	400	400	-	400	-	-
DSS.4-DSFA.4	PTC/4	400	400	-	400	-	-
HMD.1	PTC/1	500	500	-	320	500	500
VPD.2	PTC/2	320	320	-	320	320	320
HSCB.4	PTC/5	500	500	-	500 (*)	500	500
HSCB.6	PTC/8	500	500	-	400	500	500

Notes: (*) with interposing end section
 (**) between lower adjoining jumpers (with partition)
 (***) between upper adjoining jumpers (with partition)

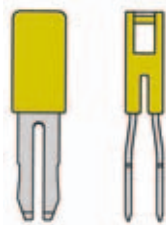


Cross connections

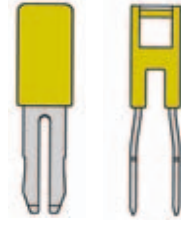
For HMD.2, HMF.4 ed FDP.2 terminal blocks



PH jumper



PHM jumper



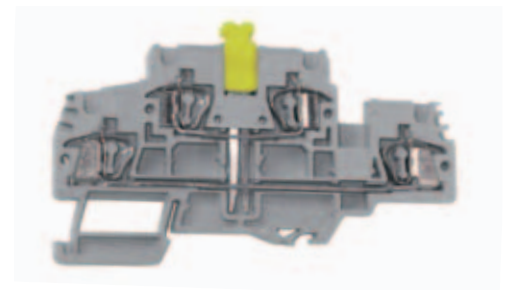
Terminal block	Jumper type	Cat. No.
HMD.2	PH/2,5-4	PH100
HMF.4	PH/2,5-4	PH100
FDP.2	PH/2,5-4	PH100

When there is the need to perform the cross connection between adjoining terminal blocks of different types (size and function), and an end section is interposed between them, a special PHM/2.5-4 increased pitch type jumper is available.

Terminal block	Jumper type	Cat. No.
HMD.2	PHM/2,5/4	PHM01
HMF.4	PHM/2,5/4	PHM01
HMD.2	PHD/2	PHD02

NOTE:
To complete the insertion of the jumpers, the use of screwdriver is necessary.

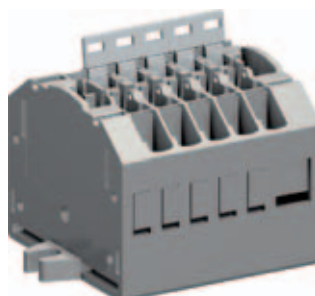
PHD/2 jumper



HMD.2/GR cat. no. HD100GR

For mini spring-clamp terminal blocks

Terminal block	2-pole jumper		3-pole jumper		5-pole jumper	
	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
HP.2/P	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205
HPC.2/P	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205
HPP.2/P	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205



POF permanent cross connections

Allowing the cross connection of two adjacent terminal blocks. Mounted in a suitable position in order to prevent injuries



Each **POF** jumper is composed by:

- 2 screws
- 2 sleeves
- 1 plate with 2 holes

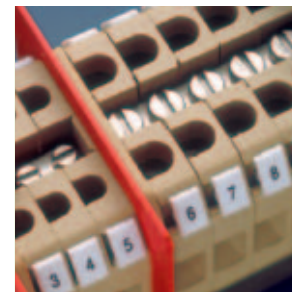
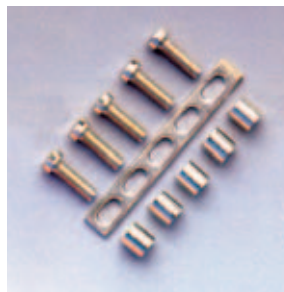
All the components are in brass, with nickel plating.

NOTE:
For terminal blocks that normally require POF connections, where they are to be inserted in "increased safety" installations (Ex e), the use of **PFX** cross connections is required; they include an anti-loosening washer.

Terminal block	Jumper type	Cat. No.	Screw M x l (mm)	Sleeve Ø x l (mm)	Plate l x s (mm)
CBC.16/GR	POF/53	POF53	M4 x 21	8 x 15	7 x 1,5
CBC.35/GR	POF/06	POF06	M4 x 21	8 x 15	8 x 2
CBD.16	POF/44	POF44	M4 x 16	6 x 9,5	7 x 1,5
CBD.35	POF/06	POF06	M4 x 21	8 x 12	8 x 2
CBD.50	POF/07	POF07	M5 x 20	8 x 12	10 x 3
CBD.70	POF/08	POF08	M5 x 25	8 x 15	10 x 3
EDM.16	POF/05	POF05	M4 x 12	6 x 6,5	7 x 1,5
EDM.25	POF/06	POF06	M4 x 21	8 x 12	8 x 2
EDM.35	POF/07	POF07	M5 x 20	8 x 12	10 x 3
EDM.70	POF/08	POF08	M5 x 25	8 x 15	10 x 3
NCS	POF/99	POF99	M3 x 5	-	5,5 x 0,6
NCV	POF/99	POF99	M3 x 5	-	5,5 x 0,6
RFL.2	POF/17	POF17	M2,5 x 13,5	4 x 8	4 x 1
SCB.6	POF/57	POF57	M3,5 x 28	6 x 19	7 x 1
SCB.10	POF/56	POF56	M4,5 x 12	7 x 13,5	7 x 1,5
SCX.10	POF/56	POF56	M4,5 x 12	7 x 13,5	7 x 1,5
SFO.4	POF/20	POF20	M3 x 20	4 x 16	5,5 x 0,6
SV.2	POF/11	POF11	M2,5 x 13,5	4 x 10	5,5 x 0,6
SV.4	POF/12	POF12	M3 x 14	4 x 10	5,5 x 0,6
SV.6	POF/13	POF13	M3 x 20	5,5 x 13,5	7 x 1
SV.10	POF/14	POF14	M3,5 x 21	5,5 x 16	7 x 1,5
VL.16	POF/55	POF55	M4 x 12	6 x 6,5	8 x 2
VLM.10	POF/54	POF54	M4 x 12	5,5 x 7,5	7 x 1,5
GPM.95 (2 poli)	POF/95/2	P0952	M5 x 20	-	10 x 10
GPM.95 (3 poli)	POF/95/3	P0953	M5 x 20	-	10 x 10
GPM.150 (2 poli)	POF/150/2	P0152	M5 x 20	-	10 x 10
GPM.150 (3 poli)	POF/150/3	P0153	M5 x 20	-	10 x 10
GPM.240 (2 poli)	POF/240/2	P0242	M5 x 30	-	10 x 15
GPM.240 (3 poli)	POF/240/3	P0243	M5 x 30	-	10 x 15
GPA.70 - GPA.70/FIX	POF/70	POF70	M5 x 35	8 x 23,5	10 x 3

PMP commoning bars

CPM shunting screws and sleeves



The **PMP** commoning bar, suitable for the multiple cross connection of several terminal blocks, whether adjacent or not, is supplied in lengths of 250 mm, with holes adequately spaced according to the pitch of all terminal blocks.

The bar is supported and held in place by a special **CPM** screw and sleeve at the correct level of each element.

In the case the terminal boards are to be installed in (Ex e) “at increased safety” circuits, CPM screws and sleeves are equipped with unloosening washers and their part number becomes **CPX**.

Terminal block	Commoning bar		l x s mm	No. of holes (x 250 mm)	Screw/sleeve		Screw/sleeve (Ex e)	
	Type	Cat. No.			Type	Cat. No.	Type	Cat. No.
CBC.16/GR	PMP/05	PMP05	7 x 1,5	21	CPM/53	CPM53	-	-
CBC.35/GR	PMP/06	PMP06	8 x 2	16	CPM/06	CPM06	-	-
CBD.2	PMP/01	PMP01	5,5 x 0,6	45	CPM/21	CPM21	CPX/21	CPX21
CBD.4	PMP/42	PMP42	5,5 x 0,6	38	CPM/12	CPM12	CPX/12	CPX12
CBD.6	PMP/13	PMP13	7 x 1	31	CPM/83	CPM83	CPX/83	CPX83
CBD.10	PMP/04	PMP04	7 x 1,5	25	CPM/03	CPM03	CPX/03	CPX03
CBD.16	PMP/05	PMP05	7 x 1,5	21	CPM/44	CPM44	CPX/44	CPX44
CBD.35	PMP/06	PMP06	8 x 2	16	CPM/06	CPM06	CPX/06	CPX06
CBD.50	PMP/07	PMP07	10 x 3	14	CPM/07	CPM07	CPX/05	CPX05
CBD.70	PMP/08	PMP08	10 x 3	12	CPM/08	CPM08	CPX/08	CPX08
CBR.2	PMP/25	PMP25	5,5 x 0,6	50	CPM/25	CPM25	-	-
CVF.4	PMP/58	PMP58	5,5 x 0,6	42	CPM/12	CPM12	CPX/12	CPX12
DAS.4	PMP/58	PMP58	5,5 x 0,6	42	CPM/01	CPM01	CPX/01	CPX01
EDM.2	PMP/01	PMP01	5,5 x 0,6	45	CPM/21	CPM21	CPX/21	CPX21
EDM.4	PMP/42	PMP42	5,5 x 0,6	38	CPM/12	CPM12	CPX/12	CPX12
EDM.6	PMP/13	PMP13	7 x 1	31	CPM/83	CPM83	CPX/83	CPX83
EDM.10	PMP/04	PMP04	7 x 1,5	25	CPM/03	CPM03	CPX/03	CPX03
EDM.16	PMP/05	PMP05	7 x 1,5	21	CPM/05	CPM05	CPX/05	CPX05
EDM.25	PMP/06	PMP06	8 x 2	16	CPM/06	CPM06	CPX/06	CPX06
EDM.35	PMP/07	PMP07	10 x 3	14	CPM/07	CPM07	CPX/07	CPX07
EDM.70	PMP/08	PMP08	10 x 3	12	CPM/08	CPM08	CPX/08	CPX08
FFS.4	PMP/42	PMP42	5,5 x 0,6	38	CPM/01	CPM01	CPX/01	CPX01
FVS.4	PMP/42	PMP42	5,5 x 0,6	38	CPM/01	CPM01	CPX/01	CPX01
GPA.70 - GPA.70/FIX	PMP/08	PMP08	10 x 3	12	CPM/70	CPM70	-	-
MPS.2/SV-SW-SWP	PMP/01	PMP01	5,5 x 0,6	45	CPM/11	CPM11	CPX/11	CPX11
NCS	PMP/02	PMP02	5,5 x 0,6	40	CPM/99	CPM99	-	-
NCV	PMP/02	PMP02	5,5 x 0,6	40	CPM/99	CPM99	-	-
RFI.2	PMP/17	PMP17	4 x 1	42	CPM/17	CPM17	-	-
RN.1	PMP/16	PMP16	5,5 x 0,6	59	CPM/16	CPM16	-	-
RN.2	PMP/25	PMP25	5,5 x 0,6	50	CPM/16	CPM16	CPX/16	CPX16
RP.4	PMP/58	PMP58	5,5 x 0,6	42	CPM/01	CPM01	CPX/01	CPX01
SCB.4	PMP/02	PMP02	5,5 x 0,6	40	CPM/01	CPM01	CPX/01	CPX01
SCB.6	PMP/13	PMP13	7 x 1	31	CPM/57	CPM57	-	-
SCB.10	PMP/13	PMP13	7 x 1	31	CPM/57	CPM57	-	-
SCX.10	PMP/56	PMP56	7 x 1,5	24	CPM/56	CPM56	-	-
SFO.4	PMP/20	PMP20	5,5 x 0,6	31	CPM/20	CPM20	-	-
SV.2	PMP/01	PMP01	5,5 x 0,6	45	CPM/11	CPM11	CPX/11	CPX11
SV.4	PMP/12	PMP12	5,5 x 0,6	36	CPM/12	CPM12	CPX/12	CPX12
SV.6	PMP/13	PMP13	7 x 1,5	31	CPM/13	CPM13	CPX/13	CPX13
SV.10	PMP/14	PMP14	7 x 1,5	24	CPM/14	CPM14	CPX/14	CPX14
TDE.2	PMP/02	PMP02	5,5 x 0,6	40	CPM/21	CPM21	-	-
TLD.2	PMP/02	PMP02	5,5 x 0,6	40	CPM/21	CPM21	-	-
TLE.2	PMP/02	PMP02	5,5 x 0,6	40	CPM/21	CPM21	-	-
TLS.2	PMP/02	PMP02	5,5 x 0,6	40	CPM/21	CPM21	-	-
VL.16	PMP/55	PMP55	8 x 2	9	CPM/05	CPM05	CPX/05	CPX05
VLM.10	PMP/54	PMP54	7 x 1,5	38	CPM/03	CPM03	CPX/03	CPX03

POS switchable cross connections



If the linking of adjacent terminal blocks is occasional, a **POS** switchable cross connection may be used; it consists of:

- 2 screws
- 2 sleeves
- 1 linking plate with open slot, allowing easy opening and closing of the cross connection.

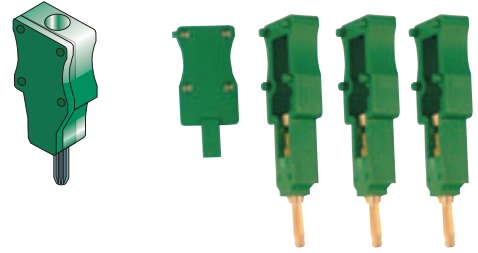
Terminal block	Cross connection		Screw M x l (mm)	Sleeve Ø x l (mm)
	Type	Cat. No.		
CBC.16/GR	POS/53	POS53	4 x 35	5,1 x 30
CBD.2	POS/11	POS11	2,5 x 22	4 x 18
CBD.4	POS/42	POS42	3 x 28	4 x 23
CBD.6	POS/93	POS93	3,5 x 27	5,5 x 21,5
CBD.10	POS/44	POS44	4 x 25	5,5 x 21,5
CBD.16	POS/44	POS44	4 x 25	5,5 x 21,5
CBD.35	POS/66	POS66	4 x 30	8 x 22
CBD.50	POS/07	POS07	5 x 30	8 x 23,5
CBD.70	POS/08	POS08	5 x 40	8 x 30
DAS.4	POS/43	POS43	3 x 20	4 x 16
EDM.2	POS/11	POS11	2,5 x 22	4 x 18
EDM.4	POS/42	POS42	3 x 28	4 x 23
EDM.6	POS/93	POS93	3,5 x 27	5,5 x 21,5
EDM.10	POS/44	POS44	4 x 25	5,5 x 21,5
EDM.16	POS/44	POS44	4 x 25	5,5 x 21,5
EDM.25	POS/66	POS66	4 x 30	8 x 22
EDM.35	POS/07	POS07	5 x 30	8 x 23,5
EDM.70	POS/08	POS08	5 x 40	8 x 30
FFS.4	POS/72	POS72	3 x 20	4 x 14,5
FVS.4	POS/72	POS72	3 x 20	4 x 14,5
MPS.2/SV-SW-SWP	POS/91	POS91	2,5 x 25	4 x 20
SV.2	POS/11	POS11	2,5 x 22	4 x 18
SV.4	POS/12	POS12	3 x 22	4 x 18
SV.6	POS/13	POS13	3 x 30	5,5 x 25
SV.10	POS/14	POS14	3,5 x 30	5,5 x 25
TLD.2	POS/41	POS41	2,5 x 16	4 x 12,7
TLS.2	POS/41	POS41	2,5 x 16	4 x 12,7
RP.4	POS/43	POS43	3 x 20	4 x 16

Modular test plugs

Modular test plugs allow to perform final control or multiple shunting on rail assemblies.

The modular test plug can be placed directly in the housing provided in the terminal block.

The extreme ease of use, allow to assemble such test plugs in whatsoever number of poles, according to the needs.



Modular test plugs for screw clamp terminal blocks

- with solder lug

SDD/5 Cat. No. **DD005**

pitch 5.5 mm.
for terminal blocks type CBD.2

SDD/6 Cat. No. **DD006**

pitch 6.5 mm.
for terminal blocks type CBD.4

- Screw-clamp

SDC/5 Cat. No. **DC005**

pitch 5 mm.
for terminal blocks type CBC.2/GR

SDC/5P Cat. No. **DC05P**

version to be used with PTC jumper

SDC/5V Cat. No. **DC05V**

intermediate distancing element

SDC/POL Cat. No. **DCPOL**

polarising element

SD5/PT Cat. No. **DD501**

closing element for SDD/5

SD6/PT Cat. No. **DD601**

closing element for SDD/6

SDC/6 Cat. No. **DC006**

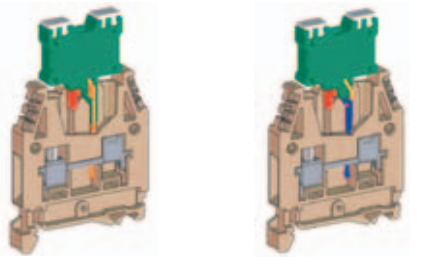
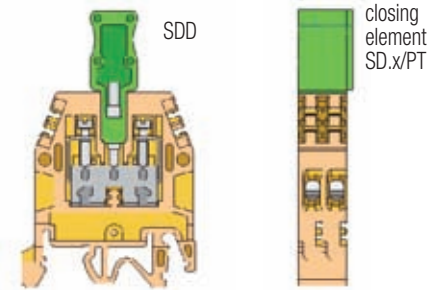
pitch 6 mm.
for terminal blocks type CBC.4/GR

SDC/6P Cat. No. **DC06P**

version to be used with PTC jumper

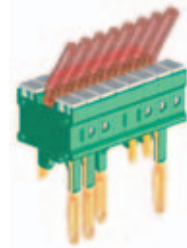
SDC/6V Cat. No. **DC06V**

intermediate distancing element



SDC/6 once mounted

SDC/6-P once mounted



SDC/6 with cable composition

Modular test plugs for spring clamp terminal blocks

- with solder lug

SDH/4 Cat. No. **DH004**

pitch 4.2 mm.
for terminal blocks type HMM.1, HMM.1/1+2,
HMM.1/2+2, HMD.1

SDH/5 Cat. No. **DH005**

pitch 5.2 mm.
for terminal blocks type HMM.2 - HMM.2/1+2 -
HMM.2/2+2 - HMD.2 - HMS.2 - Serie HP.2 - HP.2/P

SDH/6 Cat. No. **DH006**

pitch 6.2 mm
for terminal blocks type HMM.4

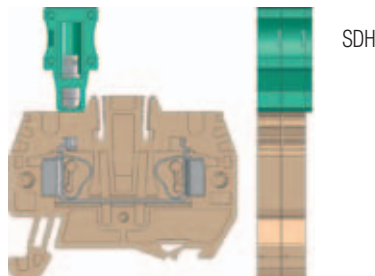
SDH/7 Cat. No. **DH007**

pitch 5.2 mm
for terminal blocks type HMD.2N/GR, HMD.2N/X/GR,
HMD.2N/X1/GR

SDH/5 and SDH/6 can be mutually combined.

SDH/4P Cat. No. **DH04P**

version to be used with PTC jumper



SDH

SH4/PT Cat. No. **DH401**

closing element for SDH/4

SH5/PT Cat. No. **DH501**

closing element for SDH/5

SH6/PT Cat. No. **DH601**

closing element for SDH/6

SH7/PT Cat. No. **DH701**

closing element for SDH/7

PSD sockets - SDD plugs

For measuring and testing circuits which are linked up to terminal boards, special accessories are provided; such as:

- **(PSD)** insulated sockets which can be screwed onto the conducting body of the terminal blocks
- **(SDD)** bundle-type plugs in silvered brass.



Terminal block	Socket		Internal socket Ø (mm)	Plug		Plug Ø (mm)
	Type	Cat. No.		Type	Cat. No.	
CBC.16/GR	PSD/B	PD002	4,05	SDD/2	DD002	4
CBC.35/GR	PSD/B	PD002	4,05	SDD/2	DD002	4
CBD.2	PSD/D	PD004	2,35	SDD/1	DD001	2,3
CBD.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
CBD.6	PSD/N	PD013	2,35	SDD/1	DD001	2,3
CBD.10	PSD/B	PD002	4,05	SDD/2	DD002	4
CBD.16	PSD/B	PD002	4,05	SDD/2	DD002	4
CBD.35	PSD/B	PD002	4,05	SDD/2	DD002	4
CBD.50	PSD/C	PD003	4,05	SDD/2	DD002	4
CBD.70	PSD/C	PD003	4,05	SDD/2	DD002	4
CBR.2	PSD/K	PD011	2,35	SDD/1	DD001	2,3
CVF.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
DAS.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
EDM.2	PSD/D	PD004	2,35	SDD/1	DD001	2,3
EDM.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
EDM.6	PSD/N	PD013	2,35	SDD/1	DD001	2,3
EDM.10	PSD/B	PD002	4,05	SDD/2	DD002	4
EDM.16	PSD/B	PD002	4,05	SDD/2	DD002	4
EDM.25	PSD/B	PD002	4,05	SDD/2	DD002	4
EDM.35	PSD/C	PD003	4,05	SDD/2	DD002	4
EDM.70	PSD/C	PD003	4,05	SDD/2	DD002	4
FDP.2	-	-	-	SDD/1	DD001	2,3
FFS.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
FPC.10	-	-	-	SDD/2	DD002	4
FVS.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
HMD.2	-	-	-	SDD/1	DD001	2,3
HMF.4	-	-	-	SDD/1	DD001	2,3
HMM.2	-	-	-	SDD/1	DD001	2,3
HMM.2/1+2	-	-	-	SDD/1	DD001	2,3
HMM.2/2+2	-	-	-	SDD/1	DD001	2,3
HMM.2/1+2/S	-	-	-	SDD/1	DD001	2,3
HMM.2/2+2/S	-	-	-	SDD/1	DD001	2,3
HMM.4	-	-	-	SDD/1	DD001	2,3
HMM.4/1+2	-	-	-	SDD/1	DD001	2,3
HMM.4/2+2	-	-	-	SDD/1	DD001	2,3
HMM.6	-	-	-	SDD/1	DD001	2,3
HMM.10	-	-	-	SDD/1	DD001	2,3
HMM.16	-	-	-	SDD/1	DD001	2,3
HMS.2	-	-	-	SDD/1	DD001	2,3
HTE.2	-	-	-	SDD/1	DD001	2,3
HSCB.6	PSD/O	PD017	2,35	SDD/1	DD001	2,3
HTE.2/1+2	-	-	-	SDD/1	DD001	2,3
HTE.2/2+2	-	-	-	SDD/1	DD001	2,3
HTE.4	-	-	-	SDD/1	DD001	2,3
HTE.6	-	-	-	SDD/1	DD001	2,3
HVPC.2	-	-	-	SDD/1	DD001	2,3
MAC.6	-	-	-	SDD/1	DD001	2,3
MPS.2	PSD/K	PD011	2,35	SDD/1	DD001	2,3
NCS	PSD/K	PD011	2,35	SDD/1	DD001	2,3
NCV	PSD/K	PD011	2,35	SDD/1	DD001	2,3
RN.1	PSD/K	PD011	2,35	SDD/1	DD001	2,3
RFI.2	PSD/K	PD011	2,35	SDD/1	DD001	2,3
RN.2	PSD/A	PD001	2,35	SDD/1	DD001	2,3
RP.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
SCB.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
SCB.6	PSD/P	PD015	4,05	SDD/2	DD002	4
SCB.10	PSD/P	PD015	4,05	SDD/2	DD002	4
SCX.10	PSD/L	PD009	4,05	SDD/2	DD002	4
SFC.10	-	-	-	SDD/2	DD002	4
SFO.4	PSD/J	PD014	2,35	SDD/1	DD001	2,3
SFR.4	PSD/J	PD014	2,35	SDD/1	DD001	2,3
SV.10	PSD/A	PD001	4,05	SDD/2	DD002	4
SV.2	PSD/D	PD004	2,35	SDD/1	DD001	2,3
SV.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
SV.6	PSD/E	PD005	2,35	SDD/1	DD001	2,3
TDE.2	PSD/D	PD004	2,35	SDD/1	DD001	2,3
TLD.2	PSD/D	PD004	2,35	SDD/1	DD001	2,3
TLE.2	PSD/D	PD004	2,35	SDD/1	DD001	2,3
TLS.2	PSD/D	PD004	2,35	SDD/1	DD001	2,3

F5 fuses



In compliance with IEC 60127-2-1 – rapid fusion – 250 V in steatite tube filled with arc-quenching powder (breaking capacity 1500 A).

F5 fuses characteristics according to DIN 41571

Rated current I_n	Test current			
	1,5 x I_n	2,1 x I_n	4 x I_n	10 x I_n
100 mA ÷ 6.3 A	> 1 h	< 30 min	< 300 ms	< 20 ms

F5 fuses characteristics according to IEC 127/I and II

Rated current I_n	Test current				
	1,5 x I_n	2,1 x I_n	4 x I_n	10 x I_n	10 x I_n
100 mA ÷ 6.3 A	> 1 h	< 30 min	100 ms ÷ 2 s	3 ms ÷ 300 ms	< 20 ms
4 A ÷ 6.3 A	> 1 h	< 30 min	19 ms ÷ 3 s	3 ms ÷ 300 ms	< 20 ms

Rated current	Ø 5 x 20 mm fuse without marking		
	Type	Cat. No.	
100 mA	F5/100 mA	FN001ST	
200 mA	F5/200 mA	FN002ST	
315 mA	F5/315 mA	FN003ST	
500 mA	F5/500 mA	FN004ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
630 mA	F5/630 mA	FN005ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
1 A	F5/1 A	FN006ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
1,6 A	F5/1,6 A	FN007ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
2 A	F5/2 A	FN008ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
2,5 A	F5/2,5 A	FN009ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
3,15 A	F5/3,15 A	FN010ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
4 A	F5/4 A	FN011ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
5 A	F5/5 A	FN012ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
6,3 A	F5/6,3 A	FN013ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
8 A	F5/8 A	FN014ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
10 A	F5/10 A	FN015ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
12 A	F5/12 A	FN016ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A

LSN torpedo pilot bulbs



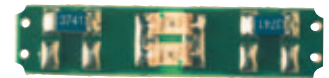
Cat. No.	Characteristics
FL201	Ø 6x26 mm torpedo bulb, provided with built-in stabilising resistor, for voltages from 12 to 48 Vac, to be used on terminal blocks type FLD.10/F5L, FLD.10/F6, FPL.10.
FL202	Ø 6x26 mm torpedo bulb, provided with built-in stabilising resistor, for voltages from 70 to 380 Vac, to be used on terminal blocks type FLD.10/F5L, FLD.10/F6, FPL.10.
KIT1224	For terminal blocks type SFR.6 and SFR.6/M.
KIT70380	For terminal blocks type SFR.6 and SFR.6/M.

LSH signal elements

For the blow-out status signal on fuse-holder terminal block type HMF4. Suited to be used in both d.c. and a.c. circuits.

Type	Cat. No.	Rated voltage [Vdc - Vac]	Current I r.m.s. [A] (*)
LSH/12	LS001	12	2,1 mA
LSH/24	LS002	24	2,0 mA
LSH/48	LS003	48	2,2 mA
LSH/115	LS004	115	2,1 mA
LSH/230	LS005	230	2,0 mA

CLL signal circuit



For the blow-out status signal of fuse-holder terminal blocks type SFR.4 - SFO.4 - MAC.6 - SFL.10 and FPL.10.

Suited to be used in both d.c. and a.c. circuits.

Each package is supplied with:

- two contact blades
- a non polarised LED microcircuit
- a transparent protection

Components must be mounted in such a sequence.

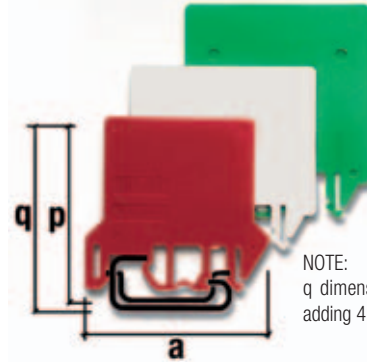
(*) values are to be considered with a tolerance ±10%

Type	Cat. No.	Rated voltage [Vdc - Vac]	Current I r.m.s. [A] (*)
CIL/12	SF512	12	3,0 mA
CIL/24	SF524	24	3,2 mA
CIL/48	SF548	48	2,9 mA
CIL/115	SF515	115	2,3 mA
CIL/230	SF523	230	2,3 mA

DFU-DFH-DFP partitions

In polyamide available in **green, red and white**, colour, 1.5 mm thick, for the separation of elements on the terminal board, in order to make certain circuits easy to locate or to increase the insulation distances between terminal blocks.

The partitions can also be used to increase the insulation distances between adjacent parallel multiple commoning bars.



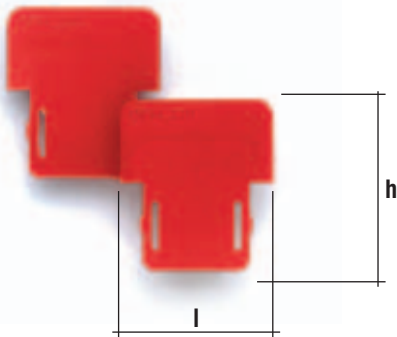
NOTE:
q dimension can be obtained by adding 4 mm to dimension p

Terminal block	Partition				Dimensions a x p	Terminal block	Partition				Dimensions a x p
	Type	White Cat. No.	Red Cat. No.	Green Cat. No.			Type	White Cat. No.	Red Cat. No.	Green Cat. No.	
Screw-clamp terminal blocks						SCB.6/CD	DFU/6	DU06B	DU06R	DU06V	72 x 74
AFO.2/1+1	DFU/1	DU01B	DU01R	DU01V	52 x 51	SCX.10	DFU/7	DU07B	DU07R	DU07V	80 x 64
AFO.2/2+2	DFU/1	DU01B	DU01R	DU01V	52 x 51	SFC.10	DFU/6	DU06B	DU06R	DU06V	72 x 74
CBC.2/GR	DFU/4	DU04B	DU04R	DU04V	52 x 62	SFL.10	DFU/6	DU06B	DU06R	DU06V	72 x 74
CBC.4/GR	DFU/4	DU04B	DU04R	DU04V	52 x 62	SFO.4	DFU/7	DU07B	DU07R	DU07V	80 x 64
CBC.6/GR	DFU/4	DU04B	DU04R	DU04V	52 x 62	SFR.4	DFU/3	DU03B	DU03R	DU03V	68 x 57
CBC.10/GR	DFU/4	DU04B	DU04R	DU04V	52 x 62	SFR.6	DFU/7	DU07B	DU07R	DU07V	80 x 64
CBC.16/GR	DFU/4	DU04B	DU04R	DU04V	52 x 62	SV.2	DFU/4	DU04B	DU04R	DU04V	52 x 62
CBC.35/GR	DFU/5	DU05B	DU05R	DU05V	62 x 68	SV.4	DFU/4	DU04B	DU04R	DU04V	52 x 62
CBD.2	DFU/1	DU01B	DU01R	DU01V	52 x 51	SV.6	DFU/4	DU04B	DU04R	DU04V	52 x 62
CBD.4	DFU/4	DU04B	DU04R	DU04V	52 x 62	SV.10	DFU/5	DU05B	DU05R	DU05V	62 x 68
CBD.6	DFU/4	DU04B	DU04R	DU04V	52 x 62	TC/DIN	DFU/1	DU01B	DU01R	DU01V	52 x 51
CBD.10	DFU/4	DU04B	DU04R	DU04V	52 x 62	TC/PO	DFU/1	DU01B	DU01R	DU01V	52 x 51
CBD.16	DFU/4	DU04B	DU04R	DU04V	52 x 62	TDE.2	DFU/3	DU03B	DU03R	DU03V	68 x 57
CBD.35	DFU/5	DU05B	DU05R	DU05V	62 x 68	TLD.2	DFU/3	DU03B	DU03R	DU03V	68 x 57
CBD.50	DFU/5	DU05B	DU05R	DU05V	62 x 68	TLE.2	DFU/3	DU03B	DU03R	DU03V	68 x 57
CBD.70	DFU/6	DU06B	DU06R	DU06V	72 x 74	TLS.2	DFU/3	DU03B	DU03R	DU03V	68 x 57
CBE.2	DFU/4	DU04B	DU04R	DU04V	52 x 62	VLM.10	DFU/3	DU03B	DU03R	DU03V	68 x 57
CBR.2	DFU/4	DU04B	DU04R	DU04V	52 x 62	VLM.10/0	DFU/3	DU03B	DU03R	DU03V	68 x 57
CVF.4	DFU/3	DU03B	DU03R	DU03V	68 x 57	VPC.2	DFU/5	DU05B	DU05R	DU05V	62 x 68
DAS.4	DFU/7	DU07B	DU07R	DU07V	80 x 64	VPD.2	DFU/7	DU07B	DU07R	DU07V	80 x 64
DBC.2	DFU/7	DU07B	DU07R	DU07V	80 x 64	Spring-clamp terminal blocks					
DSF.4	DFU/7	DU07B	DU07R	DU07V	80 x 64	HCD.1	DFU/7	DU07B	DU07R	DU07V	80 x 64
DSFA.4	DFU/7	DU07B	DU07R	DU07V	80 x 64	HMD.2	DFH/4	DH04B	DH04R	DH04V	97 x 51,5
DSS.4	DFU/7	DU07B	DU07R	DU07V	80 x 64	HFR.4	DFH/4	DH04B	DH04R	DH04V	97 x 51,5
EDM.2	DFU/1	DU01B	DU01R	DU01V	52 x 51	HFR.4/M	DFH/4	DH04B	DH04R	DH04V	97 x 51,5
EDM.4	DFU/4	DU04B	DU04R	DU04V	52 x 62	HMF.4	DFH/4	DH04B	DH04R	DH04V	97 x 51,5
EDM.6	DFU/4	DU04B	DU04R	DU04V	52 x 62	HMFA.2	DFH/2	DH02B	DH02R	DH02V	76 x 42,5
EDM.10	DFU/4	DU04B	DU04R	DU04V	52 x 62	HMM.2	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
EDM.16	DFU/4	DU04B	DU04R	DU04V	52 x 62	HMM.2/1+2	DFH/2	DH02B	DH02R	DH02V	76 x 42,5
EDM.25	DFU/5	DU05B	DU05R	DU05V	62 x 68	HMM.2/2+2	DFH/3	DH03B	DH03R	DH03V	88 x 42,5
EDM.35	DFU/5	DU05B	DU05R	DU05V	62 x 68	HMM.2/2+2/S	DFH/3	DH03B	DH03R	DH03V	88 x 42,5
EDM.70	DFU/6	DU06B	DU06R	DU06V	72 x 74	HMM.4	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
FDP.2	DFU/5	DU05B	DU05R	DU05V	62 x 68	HMM.4/1+2	DFH/4	DH04B	DH04R	DH04V	97 x 51,5
FLD.10/...	DFU/6	DU06B	DU06R	DU06V	72 x 74	HMM.4/2+2	DFH/4	DH04B	DH04R	DH04V	97 x 51,5
FPC.10	DFU/6	DU06B	DU06R	DU06V	72 x 74	HMM.6	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
FPL.10	DFU/6	DU06B	DU06R	DU06V	72 x 74	HMM.10	DFH/4	DH04B	DH04R	DH04V	97 x 51,5
FVS.4	DFU/6	DU06B	DU06R	DU06V	72 x 74	HMM.16	DFH/4	DH04B	DH04R	DH04V	97 x 51,5
MPFA.4	DFU/3	DU03B	DU03R	DU03V	68 x 57	HVPC.2	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
MPS.2/SV	DFU/2	DU02B	DU02R	DU02V	52 x 54	HMS.2	DFH/2	DH02B	DH02R	DH02V	76 x 42,5
MPS.2/SW	DFU/2	DU02B	DU02R	DU02V	52 x 54	HPP.2	DFP/2	DFP2B	DFP2R	DFP2V	37 x 38
MPS.2/SWP	DFU/2	DU02B	DU02R	DU02V	52 x 54	HPP.2/P	DFP/2	DFP2B	DFP2R	DFP2V	37 x 38
MPS.4	DFU/3	DU03B	DU03R	DU03V	80 x 64	HTE.2	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
MPS.4/SV	DFU/3	DU03B	DU03R	DU03V	80 x 64	HTE.2/1+1	DFH/2	DH02B	DH02R	DH02V	76 x 42,5
NCS	DFU/2	DU02B	DU02R	DU02V	52 x 54	HTE.2/2+2	DFH/3	DH03B	DH03R	DH03V	88 x 42,5
NCV	DFU/2	DU02B	DU02R	DU02V	52 x 54	HTE.4	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
PDF.2	DFU/5	DU05B	DU05R	DU05V	62 x 68	HTE.6	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
RFL.2	DFP/2	DFP2B	DFP2R	DFP2V	37 x 38	HMM.1	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
RN.1	DFP/2	DFP2B	DFP2R	DFP2V	37 x 38	HMM.1/1+2	DFH/3	DH03B	DH03R	DH03V	88 x 42,5
RN.2	DFP/2	DFP2B	DFP2R	DFP2V	37 x 38	HMM.1/2+2	DFH/2	DH02B	DH02R	DH02V	76 x 42,5
RP.4	DFP/2	DFP2B	DFP2R	DFP2V	37 x 38	HMD.1	DFU/7	DU07B	DU07R	DU07V	80 x 64
SCB.4	DFU/3	DU03B	DU03R	DU03V	68 x 57	HMD.2N	DFU/7	DU07B	DU07R	DU07V	80 x 64
SCB.6	DFU/6	DU06B	DU06R	DU06V	72 x 74	HMM.2/1+2/S	DFH/2	DH02B	DH02R	DH02V	76 x 42,5
SCB.6/DD	DFU/6	DU06B	DU06R	DU06V	72 x 74	HSCB.4	DFH/4	DH04B	DH04R	DH04V	97 x 51,5
SCB.10	DFU/7	DU07B	DU07R	DU07V	80 x 64	HTE.1	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
SCB.10/CD	DFU/7	DU07B	DU07R	DU07V	80 x 64	HTE.1/1+2	DFH/2	DH02B	DH02R	DH02V	76 x 42,5
SCB.10/DD	DFU/7	DU07B	DU07R	DU07V	80 x 64	HTE.1/2+2	DFH/3	DH03B	DH03R	DH03V	88 x 42,5

Partitions

DFM

Red coloured in polyamide when it is necessary to **guarantee the insulation distance between permanent or switchable cross connections**, inserted between adjacent pairs of terminal blocks and, similarly, between **multiple commoning bars**, inserted between adjacent groups of terminal blocks.



Terminal block	Partition		Dimensions l x h	Thickness mm
	Type	Cat. No.		
CBC.2/GR	DFM/900	DF900	17 x 18	0,5
	DFM/800	DF800	11 x 18	0,5
CBC.4/GR	DFM/900	DF900	17 x 18	0,5
	DFM/800	DF800	11 x 18	0,5
CBC.6/GR	DFM/900	DF900	17 x 18	0,5
	DFM/800	DF800	11 x 18	0,5
CBC.10/GR	DFM/900	DF900	17 x 18	0,5
	DFM/800	DF800	11 x 18	0,5
CBC.16/GR	DFM/700	DF700	28 x 32	0,5
CBC.35/GR	DFM/700	DF700	28 x 32	0,5
CBD.2	DFM/600	DF600	24 x 31	0,5
CBD.4	DFM/600	DF600	24 x 31	0,5
CBD.6	DFM/600	DF600	24 x 31	0,5
CBD.10	DFM/700	DF700	28 x 32	0,5
CBD.16	DFM/700	DF700	28 x 32	0,5
CBD.35	DFM/700	DF700	28 x 32	0,5
CBD.50	DFM/700	DF700	28 x 32	0,5
CBD.70	DFM/700	DF700	28 x 32	0,5
DBC.2	DFM/900	DF900	17 x 18	0,5
	DFM/800	DF800	17 x 18	0,5
DSS.4	DFM/500	DF500	4,6 x 13,5	0,5
	DFM/500	DF500	4,6 x 13,5	0,5
DSFA.4	DFM/500	DF500	4,6 x 13,5	0,5
HDE.2	DFM/500	DF500	4,6x13,5	0,5
HLD.2	DFM/500	DF500	4,6x13,5	0,5
HMM.1	DFM/500	DF500	4,6 x 13,5	0,5
HMM.1/1+2	DFM/500	DF500	4,6 x 13,5	0,5
HMM.1/2+2	DFM/500	DF500	4,6 x 13,5	0,5
HMD.1	DFM/500	DF500	4,6 x 13,5	0,5
HMD.2/N	DFM/500	DF500	4,6 x 13,5	0,5
MPS.4	DFM/500	DF500	4,6 x 13,5	0,5
MPFA.4	DFM/500	DF500	4,6 x 13,5	0,5
TLD.2	DFM/400	DF400	10 x 18	0,5
TLS.2	DFM/400	DF400	10 x 18	0,5
VPC.2	DFM/300	DF300	9,4 x 12,9	0,4
VPD.2	DFM/300	DF300	9,4 x 12,9	0,4

Protection covers

PRT covers / SPS supports



(*) vertical dimensions including rail

For protection against accidental contacts or tampering of CDA, ACB series terminal blocks. Of self-extinguishing and transparent material, 2.3 mm pitch and 200 mm standard length (corresponding to a total width of four adjacent terminal blocks).

Covers are available in three sizes:

PRT/P 22 x 125 mm (Cat.No. PRT01)
- for the protection of ACB/BB terminal blocks

PRT/M 50 x 125 mm (Cat.No. PRT02)
- for the protection of ACB/CC terminal blocks
- for the protection of CDA terminal blocks.

PRT/G 85 x 125 mm (Cat.No. PRT03)
- to be used when conductors are arriving from the rear of the panel or when not connected clamping units must be protected.

PRT covers should be inserted on **SPS** supports, manufactured of self-extinguishing UL94V-0 classed ABS, 5 mm pitch, interposed between adjacent terminal blocks. Protection of the four adjacent terminal blocks is performed by means of **two** overlapped PRT covers.

Note: The ID Cat. No. (i.e. PRT01) is **referred** to a single item.

PZM protection covers and PZD supports

Terminal blocks having a cross-section up to 70 mm² can be protected against accidental contacts or tampering, by means of a **PVC** transparent cover, **supplied in a standard length of 2 m**, to be mounted on appropriate polyamide supports and to be inserted on PR/DIN, PR/3, "G32" type and TH/35 mounting rails. They can be fixed by sealing the support ends.

PZM.4 cover (a = 64+2 mm / b = 32 mm)
Cat. No. **PZ330**

Suitable for terminal blocks with **overall dimension up to approximately 58 mm** (mounting rail included).

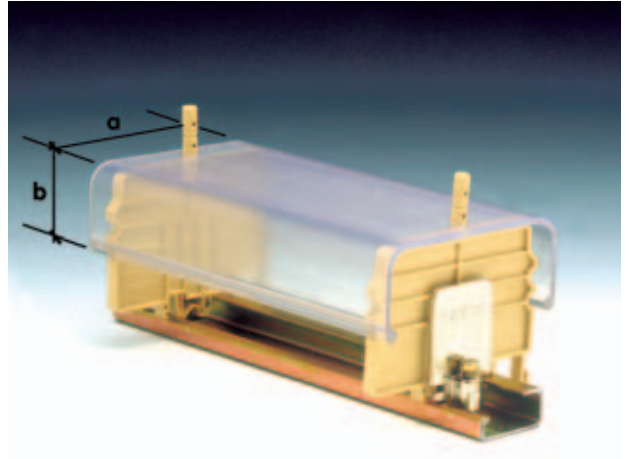
To be mounted with **PZD.4/SO** supports (Cat. No. PZ331)

Maximum dimension PZM.4 + PZD.4/SO

- on IEC 60715/G32 mounting rail = 70 or 82 mm (*)

- on IEC 60715/TH35 mounting rail = 65 or 77 mm (*)

(*) depending on the notches used, upper or lower.



PZM.4 - PZM.6 covers

PZM.6 cover (a = 85+2 mm / b = 36 mm)
Cat. No. **PZ110**

Suitable for terminal blocks with **overall dimension over 58 mm**, (mounting rail included).

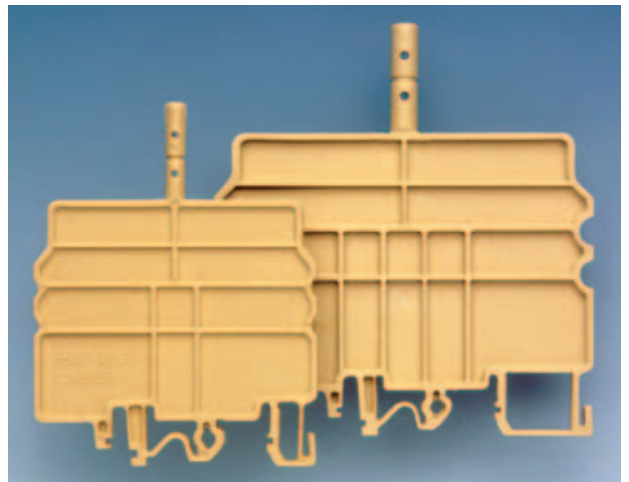
To be mounted with **PZD.6/SO** supports (Cat. No. PZ112)

Maximum dimension PZM.6 + PZD.6/SO

- on IEC 60715/G32 mounting rail = 82 or 94 mm (*)

- on IEC 60715/TH35 mounting rail = 78 or 90 mm (*)

(*) depending on the notches used, upper or lower.



PZD.4/SO - PZD.6/SO supports

PRP protections

The cross connection, consisting of a PMP multiple commoning bar and CPM screws and sleeves, already placed in a recessed position with respect to the terminal board, can be further protected from accidental contact using a nylon U-shaped cover having a standard length of 10 cm. This white-coloured cover, can also be written upon, to serve as a label or reference point on the terminal board.

On the cover suitable slits are arranged to facilitate its removal by using a screwdriver.

for terminal blocks with a cross section of 2,5-4 mm²

PRP/6

Cat. No. **PRP06**

for terminal blocks with a cross section of 4-16 mm²

PRP/7

Cat. No. **PRP07**

for terminal blocks with a cross section of 25-70 mm²

PRP/8

Cat. No. **PRP08**

for terminal blocks type TLD.2-TLS.2-CBR.2-DAS.4-TLE.2-TDE.2

PRP/5
(red, blue, white)

Cat. No. **PRP05**



PRP protections

Warning plates

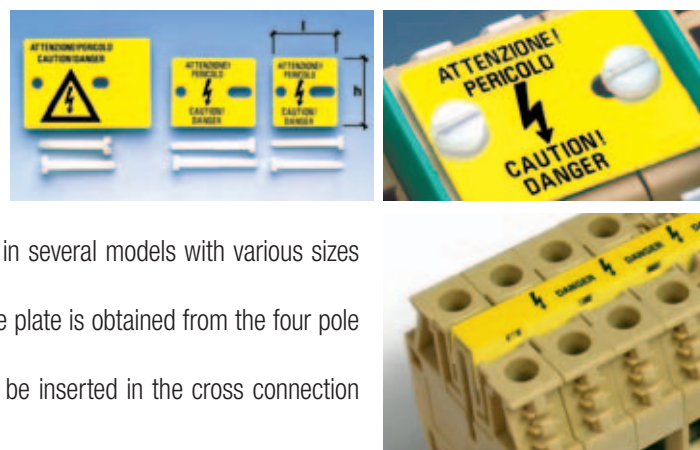
TQM-TTM-TUM-PRP/7/G

Made of self-extinguishing material, they are suitable to ensure operating safety on terminal blocks connected to live circuits.

Cabur warning plates bear signals and warning writings that can be fitted on top of the blocks by means of nylon screws. They are available in several models with various sizes depending on the types of terminal blocks.

Warning plates can cover three or four poles; in some cases the three pole plate is obtained from the four pole version by removing a pre-cut part.

For CBC.2-4-6-10/GR terminal blocks screwless PRP/7/G is supplied, to be inserted in the cross connection groove.



Terminal block	Warning plate for 3 terminal blocks		l x h mm	Warning plate for 4 terminal blocks		l x h mm	Screw M x l (mm)
	Type	Cat. No.		Type	Cat. No.		
CBC.2/GR	PRP/7/G (*)	PRP070G	l = 100	PRP/7/G (*)	PRP070G	100	-
CBC.4/GR	PRP/7/G (*)	PRP070G	l = 100	PRP/7/G (*)	PRP070G	100	-
CBC.6/GR	PRP/7/G (*)	PRP070G	l = 100	PRP/7/G (*)	PRP070G	100	-
CBC.10/GR	PRP/7/G (*)	PRP070G	l = 100	PRP/7/G (*)	PRP070G	100	-
CBC.16/GR	TUM/16	TUM16	48 x 34	TUM/16	TUM16	48 x 34	4 x 30
CBC.35/GR	TUM/06	TUM06	63 x 34	TUM/06	TUM06	63 x 34	4 x 30
CBD.2	-	-	-	TQM/02	TQM02	25 x 26	2,5 x 20
CBD.4	TTM/12	TTM12	25 x 26	TTM/12	TTM12	25 x 26	3 x 25
CBD.6	TTM/15	TTM15	25 x 26	TQM/15	TQM15	32 x 26	3,5 x 25
CBD.10	TTM/04	TTM04	32 x 26	TQM/04	TQM04	40 x 26	4 x 25
CBD.16	TUM/05	TUM05	48 x 34	TUM/05	TUM05	48 x 34	4 x 25
CBD.35	TUM/06	TUM06	63 x 34	TUM/06	TUM06	63 x 34	4 x 30
CBD.50	TUM/07	TUM07	72 x 42	TUM/07	TUM07	72 x 42	5 x 30
CBD.70	TUM/08	TUM08	82 x 42	TUM/08	TUM08	82 x 42	5 x 40
EDM.2	-	-	-	TQM/02	TQM02	25 x 26	2,5 x 20
EDM.4	TTM/12	TTM12	25 x 26	TTM/12	TTM12	25 x 26	3 x 25
EDM.6	TTM/15	TTM15	25 x 26	TQM/15	TQM15	32 x 26	3,5 x 25
EDM.10	-	-	-	TQM/04	TQM04	40 x 26	4 x 25
EDM.16	TUM/05	TUM05	48 x 34	TUM/05	TUM05	48 x 34	4 x 25
EDM.25	TUM/06	TUM06	63 x 34	TUM/06	TUM06	63 x 34	4 x 30
EDM.35	TUM/07	TUM07	72 x 42	TUM/07	TUM07	72 x 42	5 x 30
EDM.70	TUM/08	TUM08	82 x 42	TUM/08	TUM08	82 x 42	5 x 40
SV.2	-	-	-	TQM/02	TQM02	25 x 26	2,5 x 20
SV.4	TTM/12	TTM12	25 x 26	TQM/12	TQM12	40 x 26	3,5 x 30
SV.6	TTM/13	TTM13	25 x 26	TQM/13	TQM13	25 x 26	2,5 x 20
SV.10	TTM/14	TTM14	32 x 26	TQM/14	TQM14	25 x 26	3 x 15

(*) to be cut to length



TAI

Possible danger status may be marked using **special triangular self-adhesive labels**

TAI/6 (Cat. No. TA001)
TAI/12 (Cat. No. TA002)

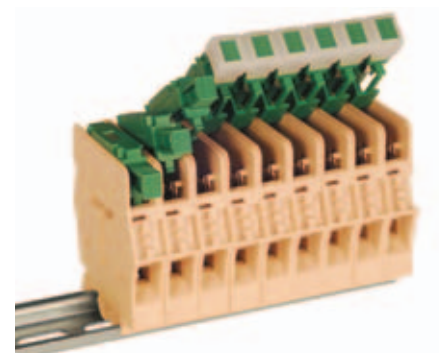
to be applied on safety and protection covers.

MSM handle

For the simultaneous disconnection of adjoining FPL.10 and SFL.10 terminal blocks.

Supplied in strips of 6 elements.

MSM (Cat. No. FC103)



Speed Rail

Windows™ application for terminal blocks for rails and panels type SWSR1.0 - Cat. No. SWSR1

- intuitive interface
- computer-assisted design
- 3D display
- no CAD platform required
- automatic creation of the Bill of Materials in table format and Adobe® Acrobat® PDF
- option to request an estimate with a single click
- trial version can be downloaded from the website
- licensed for installation on 5 PCs

Speed Rail is a software application designed to simplify and speed up the construction of a terminal board using Cabur terminal blocks.

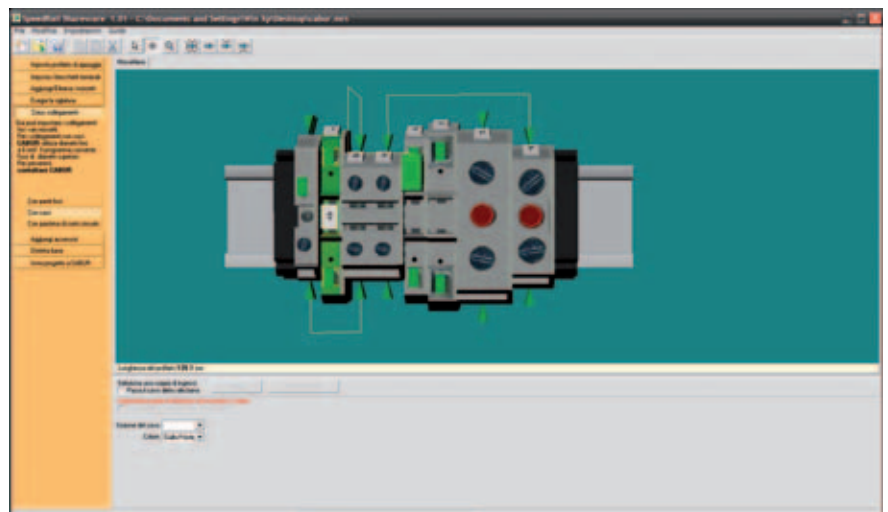
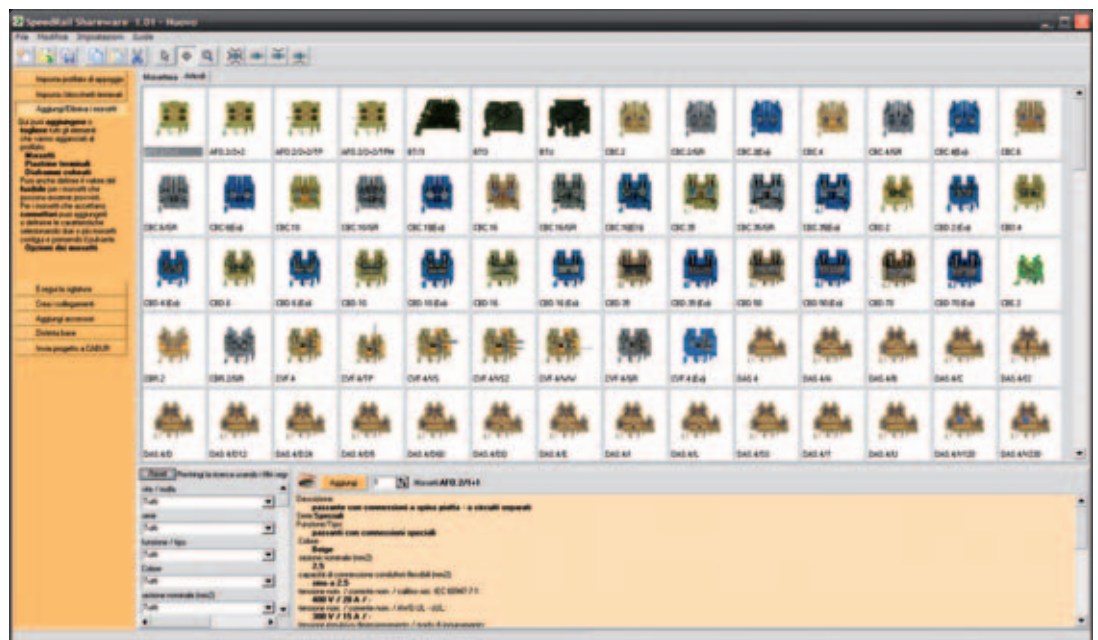
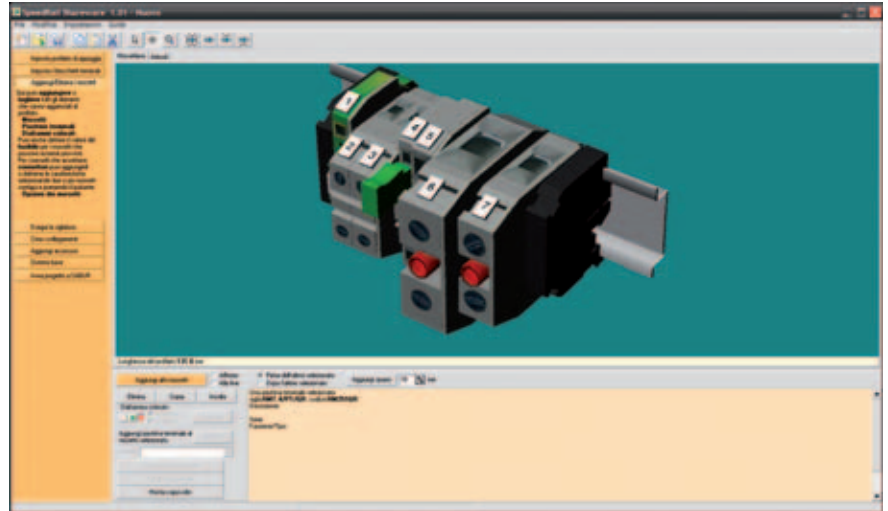
Thanks to the **intuitive interface** and the **graphic elements**, Speed Rail is easy to use and does not require specialist computer skills;

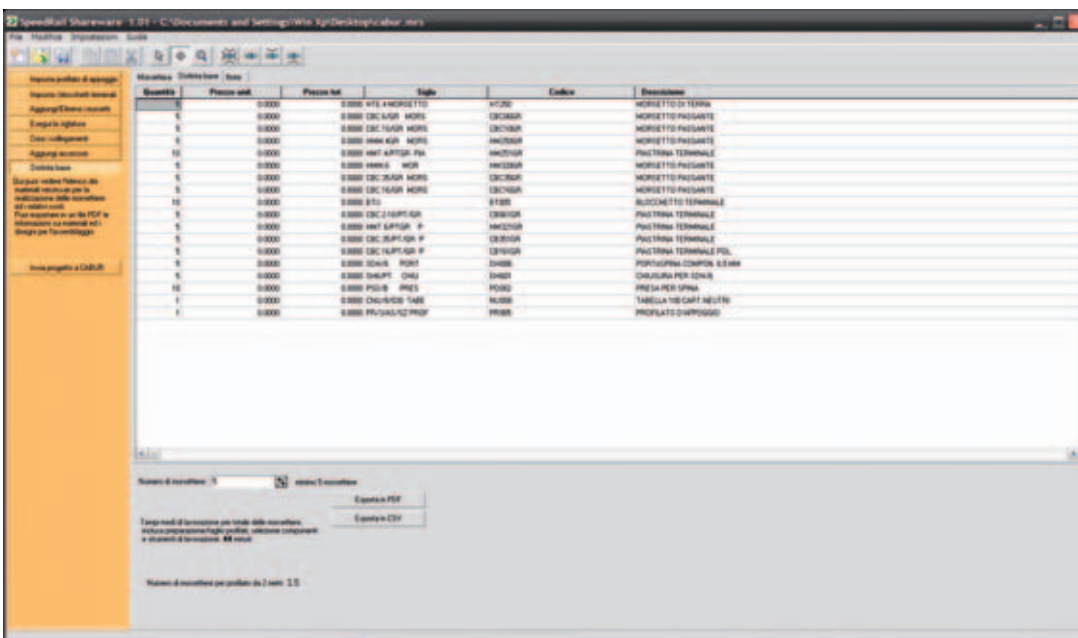
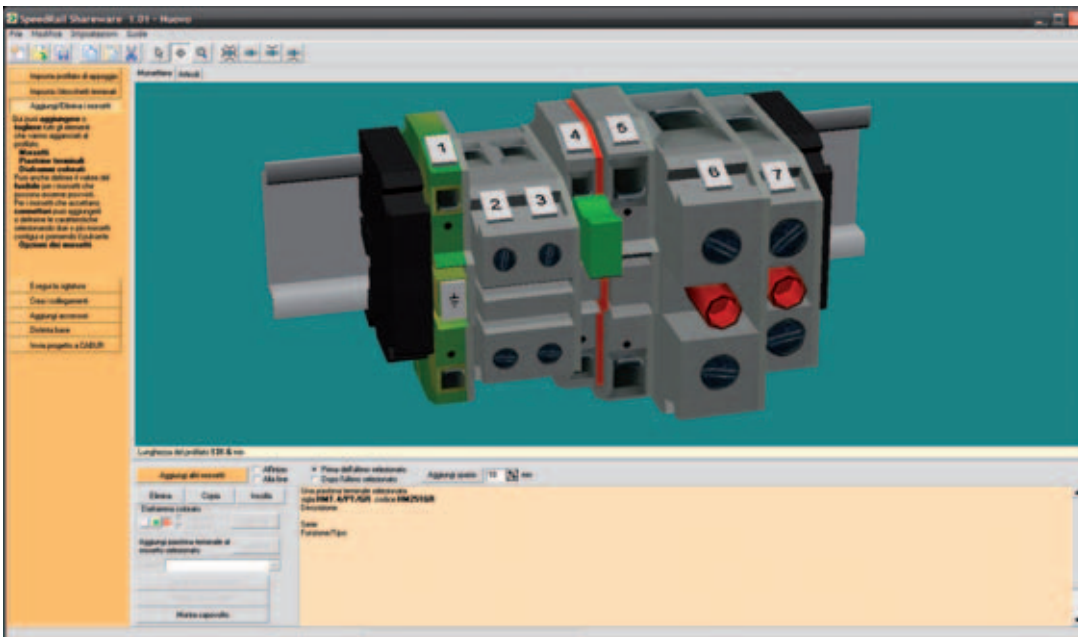
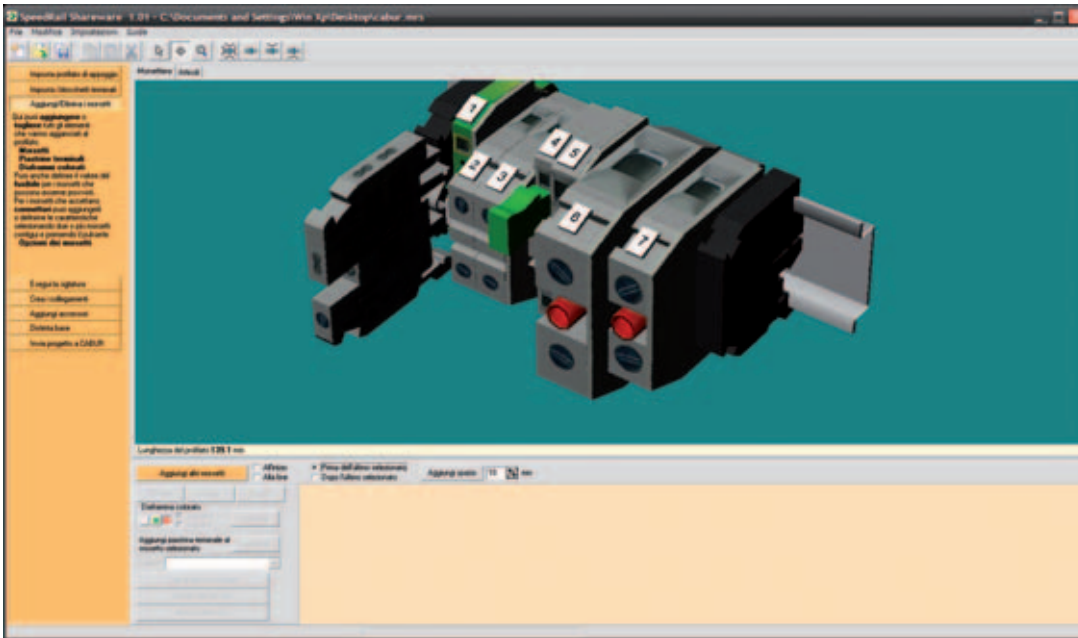
furthermore, the software guides and assists you throughout every stage of the terminal board's design:

- automatically removes and adds end sections as needed to protect uncovered contacts or places them where insulation needs to be maintained;
- automatically includes cross-connection barriers between adjacent connections;
- reports the danger of short-circuit and suggests positioning an end section or cross-connection barrier;
- arranges connections in the best possible way to ensure maximum insulation.

Speed Rail helps you **plan** your terminal board **quickly and efficiently**, starting from the holes in the mounting rail and the arrangement of supports, through to inserting terminal blocks, marking, creating connections between terminal blocks, adding the protection cover, covering each and every detail even up to inserting modular test plugs and derivation socket plugs.

Thanks to the **3D visualization**, you can see you terminal board from every angle, as if it were in your hands, and watch every phase of its development.





You can easily choose the terminal blocks best suited to your requirements, thanks to the technical data integrated into the software. Once you have identified the terminal blocks, Speed Rail will guide you through the choice of accessories, saving you time from searching for codes and verifying compatibility in catalogues.

Once all the details have been defined, Speed Rail will **automatically produce a bill of materials** in PDF format – even specifying the details and characteristics of the accessories, the marking, the terminal blocks used and the support mounting rail arrangements. You will be able to **request an estimate immediately** for the products needed and/or the terminal board assembly service.

A **trial version**, valid for 30 days, for complete, effective use of the software can be downloaded free of charge from the website **www.cabur.eu**

Please note the following limitations:

- trial period limited to 30 days of effective use for a maximum of 90 days as from the date of installation
- on-line updates are disabled

Technical requirements for installation:

Platform: PC with Microsoft® Windows™ XP or later operating system.
 Min. 512 MB RAM.
 Hard disk space: 50 MB for basic installation, 155 MB for full installation (inc. video tutorials for software use).
 Video viewer: Microsoft® Windows™ Media Player or compatible.

Marking systems

MarKing Pro

Marking system for Cabur's terminal blocks Type SWMP1.0 - Cat. No. SWMP1

- user-friendly interface
- rapid marking realization
- software versatility
- it can work on plotters/already installed systems (it does not require new printers)
- possibility to ask for the marking service in a rapid and efficient way
- license for installation on 5 workstations/PC

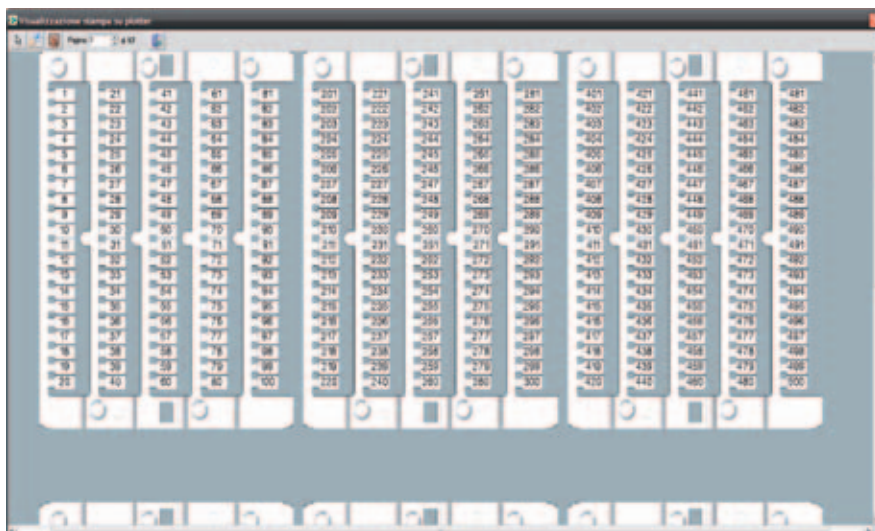
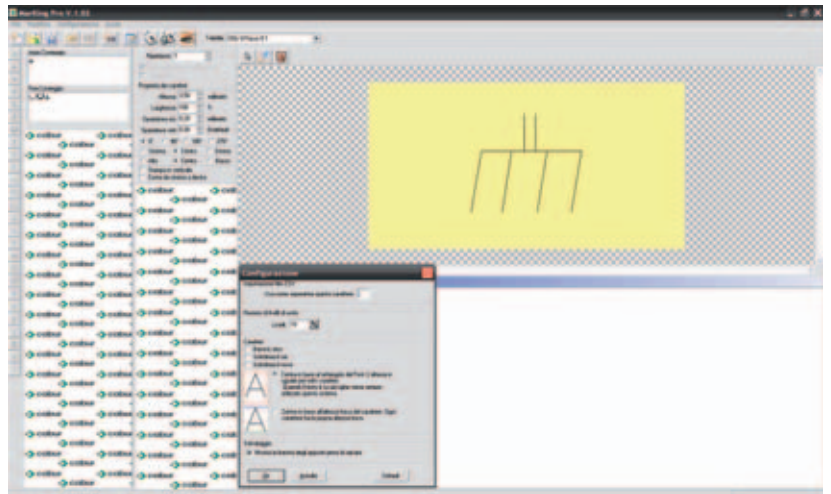
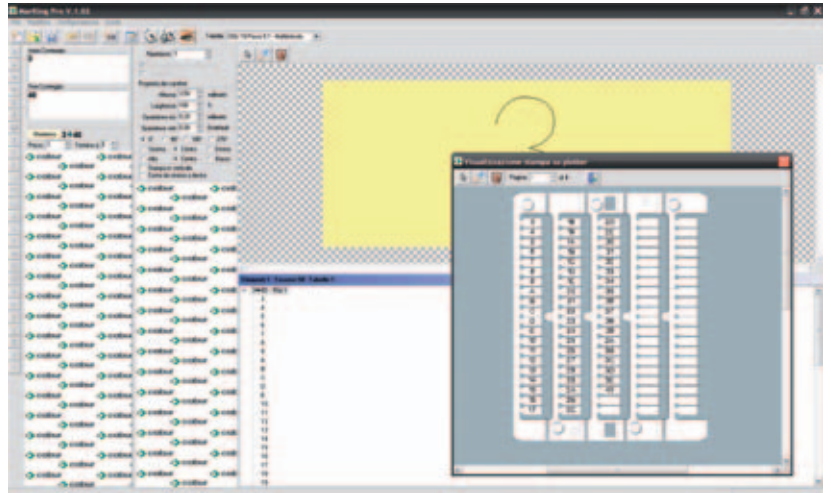
MarKing Pro is an applicative software conceived for the marking of terminal blocks produced by Cabur.

The software, **easy to use and extremely versatile**, allows to set the parameters for the marking, by using sequences of characters and symbols which can be varied according to the specific user's needs, and to print on Cabur's cards (type **CNU/8**, **CNU/10** and **SHZ/1**) which can be selected from a database inside the software.

MarKing Pro system is **conceived to fit to the most common plotters on sale**, thanks to **plates** that allow to fit to Cabur's marking formats.

To ensure an instant usability of MarKing Pro solution, **the software is provided with the related adaptation plate**, selected on the basis of end Customer's specific needs.

Thanks to the **user-friendly interface** and to the graphic elements, MarKing Pro is easy to use and allows to see the final result before the printing and it does not require particular computer skills. Furthermore, Cabur offers a **service of marking realization** which



can be provided on the basis of the files created by the Customer by using MarKing Pro. If you send your MarKing Pro files to Cabur, you will get an offer and a service as efficient as possible and with a sure result.

Technical requirements for installation:

Platform:

PC with operating system MS Windows XP or later.

Min. 512 MB RAM

Hard disk space:

7,5 MB for basic installation, 4 MB for help installation in any language.

Cabur Plotter System

Cat. No. KSLOTTER

The CABURPLOT system consists of a flatbed A3 plotter which, **on a single plate**, lets you print on:

- sleeve tags to identify cables
- tags for terminal blocks
- tags for push-buttons
- tags for contactors
- modular strips for electrical distribution panels
- panel identification tags

The aluminium frame and innovative design, as opposed to other solutions available on the market, make CABURPLOT a leading, state-of-the-art system. Compared to similar products, CABURPLOT pens last longer. In addition to the classic, anti-dry pen, we've added an extra feature built into the system: a **special airtight pen holder**, which prevents accidental tampering and laborious manual operations outside the system.



TECHNICAL DATA

- Type: flat base plotter
- Printing area: 440 x 305 mm
- Pen holder: 4
- Power supply: separate power supply unit
- Input voltage: 100 – 240 V A.C. 50 – 60 Hz
- Output Voltage: 24 V D.C.
- PC interface: parallel and USB 1.1
- Dimensions: 660 x 440 x 125 mm
- Weight: 8 Kg

The package includes:

- 1 KSLOTTER plotter + power supply unit + parallel cable + USB cable
- 1 code adaptation plate PADCABUR
- 1 anti-dry pen, diameter 0.35 mm
- 1 pack of 5 indelible black ink cartridges
- 1 MarKing Pro Software on CD, including a licence for 5 installations and complete user manual in electronic format

Accessories

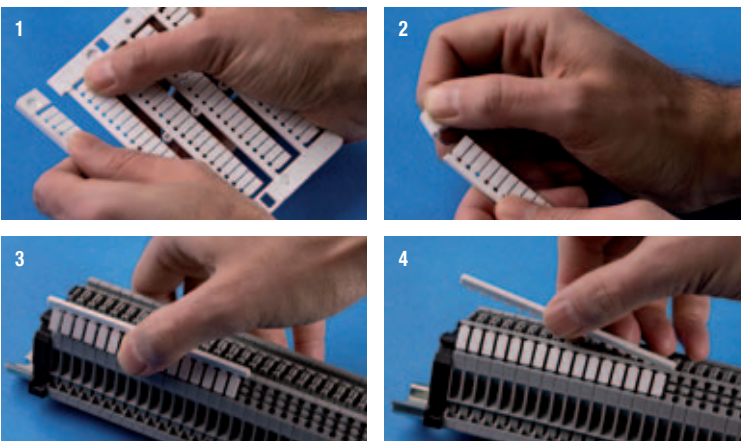
Cat. No.	Description
PADCABUR	Adaptation plate for KSLOTTER plotter
PADGRAPH	Adaptation plate for Graphtec plotter
PADMUTHO	Adaptation plate for MUTOH plotter
PEN025CAB	Anti-dry pen for plotter – diameter 0.25 mm
PEN035CAB	Anti-dry pen for plotter – diameter 0.35 mm
PEN035GRA	Anti-dry pen for Graphtec plotter – diameter 0.25 mm
INKCART5	Indelible ink (5 cartridges per pack)
INKBOTT1	30 ml bottle of ink
KITPULIZIA	Pen cleaning kit
POMPASP	Pen reactivator



PLOTTER PLATES

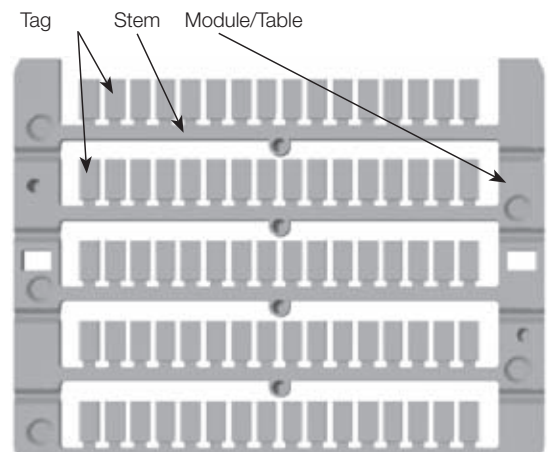
Cat. No.	Type	Descrizione
ADRKITEK	KITCABUREK	MarKing Pro SW + EK-TEAM VP-500 plotter plate
ADRKITGR	KITCABURBG	MarKing Pro SW + GRAPHTEC plotter plate
ADRKITMU	KITCABURMU	MarKing Pro SW + MUTOH IP-220 plotter plate

MOUNTING ON CABUR TERMINAL BLOCKS



BLANK PLOTTER TAGS

Type	Cat. No.	Tag length	Tags for module/pk	Terminal blocks series
CNU/8/51	NU0851	8 mm	100/1500	CBC.2/GR, HMM.2
CNU/8/61	NU0861	8 mm	80/1200	CBC.4/GR, HMM.4
CNU/10/51	NU1051	10 mm	100/1500	CBC.2/GR, HMM.2
CNU/10/61	NU1061	10 mm	80/1200	CBC.4/GR, HMM.4
SHZ.1	SH004	10 mm	100/1500	HMM.1



CNU/8/51 Writing type HORIZONTAL / VERTICAL

- Marking tags suitable for **marking all types of terminal blocks (screw-clamp and spring-clamp)** in tables of 100 elements in packs of 500 tags
- In white polycarbonate with black printing, to be applied directly into position either before or after preparing the terminal board
- **Tag dimensions: 8 x 5.1 mm. Pitch on CBC.2/GR and HMM.2/GR**
- **Mounting of single tag on all Cabur terminal blocks**

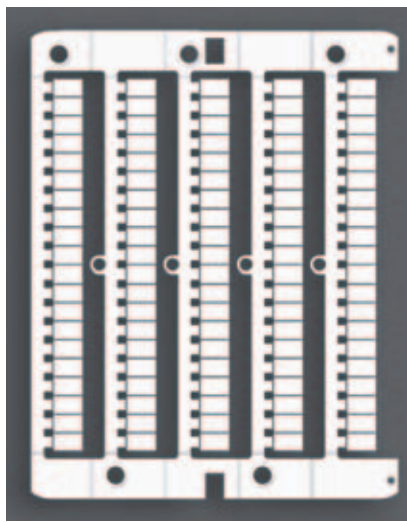
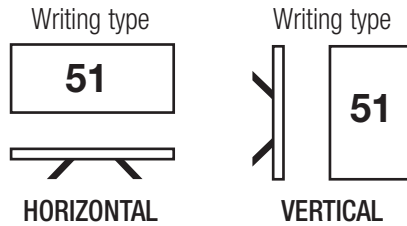


Table **CNU/8/51** Cat. No. NU0851

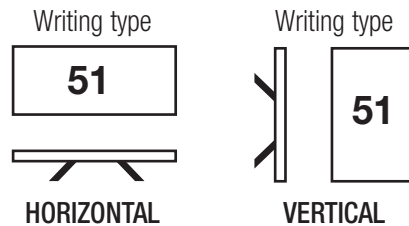


Note: those shown in the tables are the standard types of markers that are normally available; on request, we can supply tags of all types with: numbers, letters, symbols and customised logos. Please see page 167 for more details.

OLD CAT. NO.	DESCRIPTION	CAT. NO. TAGS WITH VERTICAL NUMBERS	CAT. NO. TAGS WITH HORIZONTAL NUMBERS	TAGS PER PACK
NU008	CNU/8/030 100 Blank tags	NU0851	NU0851	500
N8001	CNU/8/001 Tags no. 1 to 50	NU0851001V	NU0851001	500
N8010	CNU/8/010 100 tags no. 10	NU0851010V	NU0851010	500
N8Y11	CNU/8/11 Tags no. 11	NU0851011V	NU0851011	500
N8912	CNU/8/12 100 tags no.12	NU0851012V	NU0851012	500
N8Y13	CNU/8/13 Tags no. 13	NU0851013V	NU0851013	500
N8Y14	CNU/8/14 Tags no. 14	NU0851014V	NU0851014	500
N8Y15	CNU/8/15 Tags no. 15	NU0851015V	NU0851015	500
N8Y16	CNU/8/16 Tags no. 16	NU0851016V	NU0851016	500
N8Y17	CNU/8/17 Tags no. 17	NU0851017V	NU0851017	500
N8Y18	CNU/8/18 Tags no. 18	NU0851018V	NU0851018	500
N8Y19	CNU/8/19 Tags no. 19	NU0851019V	NU0851019	500
N8Y20	CNU/8/20 Tags no. 20	NU0851020V	NU0851020	500
N802A	CNU/8/2A Tags with 2A	NU085102AV	NU085102A	500
N8051	CNU/8/051 Tags from 51 to 100	NU0851051V	NU0851051	500
N80L1	CNU/8/L1 Tags with L1	NU08510L1V	NU08510L1	500
N80L2	CNU/8/L2 Tags with L2	NU08510L2V	NU08510L2	500
N80L3	CNU/8/L3 Tags with L3	NU08510L3V	NU08510L3	500
N80NI	CNU/8/NI Tags with NI	NU08510NIV	NU08510NI	500
N80PE	CNU/8/PE Tags with PE	NU08510PEV	NU08510PE	500
N80R1	CNU/8/R1 Tags with R1	NU08510R1V	NU08510R1	500
N80S1	CNU/8/S1 Tags with S1	NU08510S1V	NU08510S1	500
N80S2	CNU/8/S2 Tags with S2	NU08510S2V	NU08510S2	500
N80S3	CNU/8/S3 Tags with S3	NU08510S3V	NU08510S3	500
N80U1	CNU/8/U1 Tags with U1	NU08510U1V	NU08510U1	500
N80U2	CNU/8/U2 Tags with U2	NU08510U2V	NU08510U2	500
N8000	CNU/8/000 Tags 0	NU08510V	NU08510	500
N80V1	CNU/8/V1 Tags with V1	NU08510V1V	NU08510V1	500
N80V2	CNU/8/V2 Tags with V2	NU08510V2V	NU08510V2	500
N80W1	CNU/8/W1 Tags with W1	NU08510W1V	NU08510W1	500
N80W2	CNU/8/W2 Tags with W2	NU08510W2V	NU08510W2	500
N8101	CNU/8/101 Tags from 101 to 150	NU0851101V	NU0851101	500
N8025	CNU/8/025 100 Tags =	NU085110V	NU085110	500
N8023	CNU/8/023 100 Tags +	NU085111V	NU085111	500
N8024	CNU/8/024 100 Tags -	NU085112V	NU085112	500
N8027	CNU/8/027 Tags earth	NU085114V	NU085114	500
N8151	CNU/8/151 Tags from 151 to 200	NU0851151V	NU0851151	500
N8028	CNU/8/028 Tags earth circle	NU085115V	NU085115	500
N8111	CNU/8/111 100 Tags 1	NU08511V	NU08511	500
N8201	CNU/8/201 Tags from 201 to 250	NU0851201V	NU0851201	500
N8251	CNU/8/251 Tags from 251 to 300	NU0851251V	NU0851251	500
N8222	CNU/8/222 100 Tags 2	NU08512V	NU08512	500
N8301	CNU/8/301 Tags from 301 to 350	NU0851301V	NU0851301	500
N8351	CNU/8/351 Tags from 351 to 400	NU0851351V	NU0851351	500
N8333	CNU/8/333 100 Tags 3	NU08513V	NU08513	500
N8401	CNU/8/401 Tags from 401 to 450	NU0851401V	NU0851401	500
N8451	CNU/8/451 Tags from 451 to 500	NU0851451V	NU0851451	500
N8444	CNU/8/444 100 Tags 4	NU08514V	NU08514	500
N8501	CNU/8/501 Tags from 501 to 550	NU0851501V	NU0851501	500

CNU/8/51 Writing type HORIZONTAL / VERTICAL

- Marking tags suitable for **marking all types of terminal blocks (screw-clamp and spring-clamp)** in tables of 100 elements in packs of 500 tags
- In white polycarbonate with black printing, to be applied directly into position either before or after preparing the terminal board
- **Tag dimensions: 8 x 5.1 mm. Pitch on CBC.2/GR and HMM.2/GR**
- **Mounting of single tag on all Cabur terminal blocks**



Mounting on cabur terminal blocks.



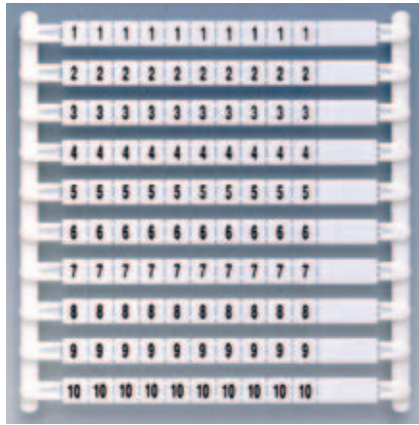
OLD CAT. NO.	DESCRIPTION	CAT. NO. TAGS WITH VERTICAL NUMBERS	CAT. NO. TAGS WITH HORIZONTAL NUMBERS	TAGS PER PACK
N8510	CNU/8/510 Tags from 1 to 10	NU0851510V	NU0851510	500
N8520	CNU/8/520 Tags from 11 to 20	NU0851520V	NU0851520	500
N8530	CNU/8/530 Tags from 21 to 30	NU0851530V	NU0851530	500
N8540	CNU/8/540 Tags from 31 to 40	NU0851540V	NU0851540	500
N8550	CNU/8/550 Tags from 41 to 50	NU0851550V	NU0851550	500
N8551	CNU/8/551 Tags from 551 to 600	NU0851551V	NU0851551	500
N8560	CNU/8/560 Tags from 51 to 60	NU0851560V	NU0851560	500
N8570	CNU/8/570 Tags from 61 to 70	NU0851570V	NU0851570	500
N8580	CNU/8/580 Tags from 71 to 80	NU0851580V	NU0851580	500
N8590	CNU/8/590 Tags from 81 to 90	NU0851590V	NU0851590	500
N8555	CNU/8/555 100 Tags 5	NU08515V	NU08515	500
N8600	CNU/8/600 Tags from 91 to 100	NU0851600V	NU0851600	500
N8601	CNU/8/601 Tags from 601 to 650	NU0851601V	NU0851601	500
N8651	CNU/8/651 Tags from 651 to 700	NU0851651V	NU0851651	500
N8666	CNU/8/666 100 Tags 6	NU08516V	NU08516	500
N8701	CNU/8/701 Tags from 701 to 750	NU0851701V	NU0851701	500
N8751	CNU/8/751 Tags from 751 to 800	NU0851751V	NU0851751	500
N8777	CNU/8/777 100 Tags 7	NU08517V	NU08517	500
N8801	CNU/8/801 Tags from 801 to 850	NU0851801V	NU0851801	500
N8851	CNU/8/851 Tags from 851 to 900	NU0851851V	NU0851851	500
N8888	CNU/8/888 100 Tags 8	NU08518V	NU08518	500
N8901	CNU/8/901 Tags from 901 to 950	NU0851901V	NU0851901	500
N8951	CNU/8/951 Tags from 951 to 1000	NU0851951V	NU0851951	500
N8999	CNU/8/999 100 Tags 9	NU08519V	NU08519	500
N8031	CNU/8/031 100 Tags To	NU0851AV	NU0851A	500
N8032	CNU/8/032 100 Tags B	NU0851BV	NU0851B	500
N8033	CNU/8/033 100 Tags C	NU0851CV	NU0851C	500
N8034	CNU/8/034 100 Tags D	NU0851DV	NU0851D	500
N8035	CNU/8/035 100 Tags E	NU0851EV	NU0851E	500
N8036	CNU/8/036 100 Tags F	NU0851FV	NU0851F	500
N8037	CNU/8/037 100 Tags G	NU0851GV	NU0851G	500
N8038	CNU/8/038 100 Tags H	NU0851HV	NU0851H	500
N8043	CNU/8/043 100 Tags I	NU0851IV	NU0851I	500
N8049	CNU/8/049 100 Tags J	NU0851JV	NU0851JV	500
N8050	CNU/8/050 100 Tags K	NU0851KV	NU0851KV	500
N8044	CNU/8/044 100 Tags L	NU0851LV	NU0851L	500
N8045	CNU/8/045 100 Tags M	NU0851MV	NU0851M	500
N8016	CNU/8/016 100 Tags N	NU0851NV	NU0851N	500
N8046	CNU/8/046 100 Tags O	NU0851OV	NU0851O	500
N8047	CNU/8/047 100 Tags P	NU0851PV	NU0851P	500
N8048	CNU/8/048 100 Tags Q	NU0851QV	NU0851Q	500
N8013	CNU/8/013 100 Tags R	NU0851RV	NU0851R	500
N8014	CNU/8/014 100 Tags S	NU0851SV	NU0851S	500
N8015	CNU/8/015 100 Tags T	NU0851TV	NU0851T	500
N8017	CNU/8/017 100 Tags U	NU0851UV	NU0851UV	500
N8018	CNU/8/018 100 Tags V	NU0851VV	NU0851V	500
N8019	CNU/8/019 100 Tags W	NU0851WV	NU0851W	500
N8020	CNU/8/020 100 Tags X	NU0851XV	NU0851X	500
N8021	CNU/8/021 100 Tags Y	NU0851YV	NU0851Y	500
N8022	CNU/8/022 100 Tags Z	NU0851ZV	NU0851Z	500

CNU/5

Marking tags suited for marking **BPL.4** and **TPL.4** modular terminal blocks. Tables of 100 elements.

In white polyamide with black printing, to be applied directly into position either before or after the composition of the terminal assembly.

5 mm standardised pitch and **5 mm** high.



CNU/5/123 table

Cat. No. N5123

Marking	Table type (100 elements)	Cat. No.
blank	CNU/5/030	NU005
1-10 (10 Series)	CNU/5/110	N5110
1-50 (2 Series)	CNU/5/250	N5250
51-100 (2 Series)	CNU/5/350	N5350
N	CNU/5/016	N5016
R	CNU/5/017	N5017
S	CNU/5/018	N5018
T	CNU/5/015	N5015
+	CNU/5/023	N5023
-	CNU/5/024	N5024
~	CNU/5/025	N5025
⊥	CNU/5/026	N5026
⊕	CNU/5/027	N5027
=	CNU/5/029	N5029
1-2-3-4-5-6-7-8-9-10	CNU/5/123	N5123

Numbering strips

SHZ for spring-clamp terminal blocks

Marking	SHZ/1(*)		SHZ/2 (*)	
	Type	Cat. No.	Type	Cat. No.
Blank	SHZ/1/00	SH004	SHZ/2/00	SH001
From da 1 to 9	SHZ/1/19	SH419	SHZ/2/19	SH119
Strip marked A (1)	SHZ/1/AA	SH4AA	SHZ/2/AA	SH1AA
Strip marked B (1)	SHZ/1/BB	SH4BB	SHZ/2/BB	SH1BB
Strip marked C (1)	SHZ/1/CC	SH4CC	SHZ/2/CC	SH1CC
Strip marked D (1)	SHZ/1/DD	SH4DD	SHZ/2/DD	SH1DD
Strip marked E (1)	SHZ/1/EE	SH4EE	SHZ/2/EE	SH1EE
Strip marked F (1)	SHZ/1/FF	SH4FF	SHZ/2/FF	SH1FF
Strip marked G (1)	SHZ/1/GG	SH4GG	SHZ/2/GG	SH1GG
Strip marked H (1)	SHZ/1/HH	SH4HH	SHZ/2/HH	SH1HH
Strip marked I (1)	SHZ/1/II	SH4II	SHZ/2/II	SH1II
Strip marked J (1)	SHZ/1/JJ	SH4JJ	SHZ/2/JJ	SH1JJ
Strip marked K (1)	SHZ/1/KK	SH4KK	SHZ/2/KK	SH1KK
Strip marked L (1)	SHZ/1/LL	SH4LL	SHZ/2/LL	SH1LL
Strip marked M (1)	SHZ/1/MM	SH4MM	SHZ/2/MM	SH1MM
Strip marked N (1)	SHZ/1/NN	SH4NN	SHZ/2/NN	SH1NN
Strip marked O (1)	SHZ/1/OO	SH4OO	SHZ/2/OO	SH1OO
Strip marked P (1)	SHZ/1/PP	SH4PP	SHZ/2/PP	SH1PP
Strip marked Q (1)	SHZ/1/QQ	SH4QQ	SHZ/2/QQ	SH1QQ
Strip marked R (1)	SHZ/1/RR	SH4RR	SHZ/2/RR	SH1RR
Strip marked S (1)	SHZ/1/SS	SH4SS	SHZ/2/SS	SH1SS
Strip marked T (1)	SHZ/1/TT	SH4TT	SHZ/2/TT	SH1TT
Strip marked U (1)	SHZ/1/UU	SH4UU	SHZ/2/UU	SH1UU
Strip marked V (1)	SHZ/1/VV	SH4VV	SHZ/2/VV	SH1VV
Strip marked W (1)	SHZ/1/WW	SH4WW	SHZ/2/WW	SH1WW
Strip marked X (1)	SHZ/1/XX	SH4XX	SHZ/2/XX	SH1XX
Strip marked Y (1)	SHZ/1/YY	SH4YY	SHZ/2/YY	SH1YY
Strip marked Z (1)	SHZ/1/ZZ	SH4ZZ	SHZ/2/ZZ	SH1ZZ
Strip marked =	SHZ/1/G1	SH4G1	SHZ/2/G1	SH1G1
Strip marked +	SHZ/1/G2	SH4G2	SHZ/2/G2	SH1G2
Strip marked -	SHZ/1/G3	SH4G3	SHZ/2/G3	SH1G3
Strip marked ~	SHZ/1/G4	SH4G4	SHZ/2/G4	SH1G4
Strip marked ⊥	SHZ/1/G5	SH4G5	SHZ/2/G5	SH1G5
Strip marked ⊕	SHZ/1/G6	SH4G6	SHZ/2/G6	SH1G6
Strip marked ÷	SHZ/1/G7	SH4G7	SHZ/2/G7	SH1G7
Strip marked /	SHZ/1/G8	SH4G8	SHZ/2/G8	SH1G8
Strip marked (SHZ/1/G9	SH4G9	SHZ/2/G9	SH1G9

SNZ.4 for screw-clamp terminal blocks RN.1

Marking	SNZ/4	
	Type	Cat. No.
Blank	SNZ/4/00	SN008
From da 1 to 9	SNZ/4/19	SN819



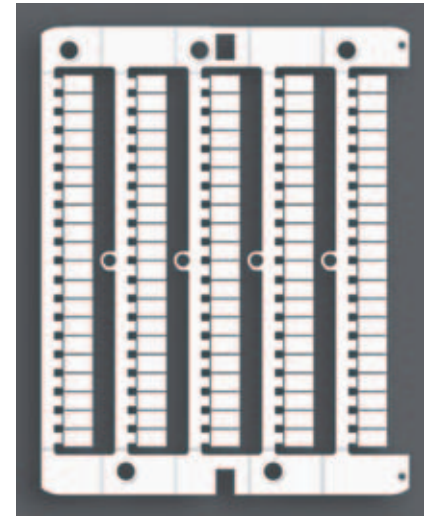
SHZ numbering strips can be mounted on the sides of the terminal block or in the appropriate housings provided in the upper part of the terminal block itself.

tags SHZ/1

(*) for availability, please contact our Sales department

Special marking

Cabur can supply, on request, special marking tags with numbers, letters, symbols and customised logos in packs of 500 tags.



Special marking	
Cat. No.	Description
NU0851SP	CNU/8/51 - special marking
NU0861SP	CNU/8/61 - special marking
NU1051SP	CNU/10/51 - special marking
NU1061SP	CNU/10/61 - special marking
SH004SP	SHZ.1 - special marking

Request special marking by specifying the following on the order:

- Article cat. no. chosen from those specified on the table (e.g. NU0851SP)
- Quantity of tags needed (min. 500 pcs. / 1 pk.)
- Writing type (horizontal or vertical)
- Content (text, numbers, symbols) to be printed on the tags (e.g. A1B)

To optimise the service, as an alternative or in addition to that required at points c) and d), we recommend sending Cabur a MarKing Pro file created with the specific requirements of the order.

For example, by ordering:

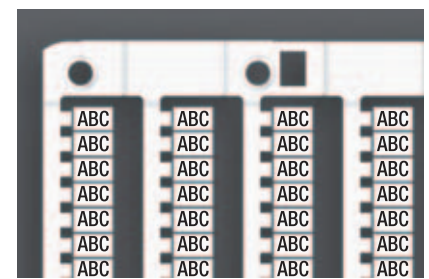
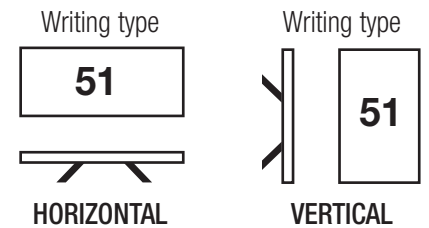
Cat. No.: **NU0851SP**

Quantity: **1000**

Writing type: **horizontal**

Content: **ABC**

An order will be placed for 2 packs of 500 tabs each of CNU/8/51, customised as requested.



Cross-reference table of tags for marking terminal blocks

Following an update of the product line, some markings of Cabur terminal blocks have been replaced with new tags.

To ensure maximum compatibility in use, the hook on the Cabur terminal block has not been changed in any way.

That means, **earlier batches of tags, which are no longer produced, and new tags can both be used on our terminal blocks.**

ARTICLES NO LONGER PRODUCED		CORRESPONDING NEW ARTICLES	
Type	Cat. No.	Type	Cat. No.
CNU/8	NU...	CNU/8/51	NU0851
CNU/10	NU10..	-	-
CSC	CS...	-	-
SNZ/5	SN001	CNU/8/51	NU0851
SNZ/8	SN004	CNU/8/51	NU0851
SNZ/10	SN005	CNU/8/51	NU0851
SNZ/60	SN007	CNU/8/51	NU0851
SNZ/65	SN006	CNU/8/51	NU0851
SNZ/508	SN009	CNU/8/51	NU0851
SHZ/4	SH002	CNU/8/61	NU0861
SHZ/6	SH003	CNU/8/51	NU0851
SNZ/8/91	SN491	CNU/8/51	NU0851

Specific accessories

Short circuit plates



SCB/6/PO/2 Cat. No. **SB203**

Short circuit plate for two adjacent SCB.6 terminal blocks



SCB/6/PO/4 Cat. No. **SB204**

Short circuit plate for four adjacent SCB.6 terminal blocks



HSCB/6/PO/2 Cat. No. **HB203**

Short circuit plate for two adjacent HSCB.6 terminal blocks



HSCB/6/PO/4 Cat. No. **HB204**

Short circuit plate for four adjacent HSCB.6 terminal blocks



SCB/4/PO/2 Cat. No. **SB303**

Short circuit plate for two adjacent SCB.4 terminal blocks



SCB/4/PO/4 Cat. No. **SB304**

Short circuit plate for four adjacent SCB.4 terminal blocks



SCX/PO/2 Cat. No. **SC103**

Short circuit plate for two adjacent SCX.10 terminal blocks



SCX/PO/4 Cat. No. **SC104**

Short circuit plate for four adjacent SCX.10 terminal blocks

Allow the simultaneous earth connection of current transformers already connected to SCB.4, SCB.6 or SCX.10 terminal blocks. They are made up of special plates and sleeves guaranteeing the correct operational sequence. The plates, in the open position, avoid the translation movement of slide-links, preventing the disconnection of current circuits.

Short circuit screws and sleeves



SCB/6/CPM Cat. No. **SB205**

Sleeve to be used with SCB/6/PO link



HSCB.6/CPM Cat. No. **HB205**

Sleeve to be used with HSCB/6/PO link



SCB/4/CPM Cat. No. **SB305**

Sleeve to be used with SCB/4/PO link

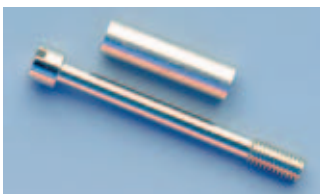


SCX/CPM Cat. No. **SC105**

Sleeve to be used with SCX/PO link (*)

(*) supplied assembled as in position A. In order to be inserted into the slot of the plate, it must be dismounted as in position B, then reassembled and screwed into the body of the terminal block.

Internal/external cross-connection devices



FVS/VCI Cat. No. **FV107**

Screw and sleeve to perform the internal link between the front and back conducting bodies of FVS.4 terminal block.



FVS/VCE Cat. No. **FV108**

Screw and sleeve to perform the internal and external link between the front and back conducting bodies of FVS.4 terminal blocks.

Conducting elements



CO/5 Cat. No. **VL103**

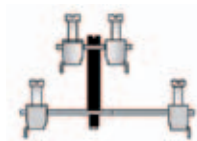
Ø 5 x 20 mm - in brass for terminal block types:
SFO.4 - SFR.4 - SFR.6/M - FLD.10/F5 - HMF.4 - VLM.10



SFC/CO Cat. No. **FC102**

Ø 6,3 x 32 mm - in brass for terminal block types:
FPC.10 - SFC.10 - SFR.6 - with the option of inserting an SDD/2 test plug

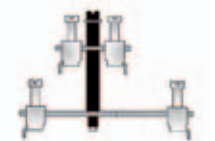
Terminal blocks suited for Ø 5 x 20 mm or Ø 6 x 32 mm fuses can be used as simple disconnection blocks by inserting special **conducting elements**.



DAS/VCI
internal cross-connection

DAS/VCI Cat. No. **DS107**

Screw and sleeve to perform the internal link between the front and back conducting bodies of DAS.4 terminal blocks.



DAS/VCE
internal + adjoining front-cross connection

DAS/VCE Cat. No. **DS108**

Screw and sleeve to perform the internal link between front and back conducting bodies or to externally link the conducting bodies of adjacent terminal blocks, of DAS.4 terminal blocks.

Screening lug



CBD/SH Cat. No. **CB009**

For the connection of the cable shielding - to be used on terminal blocks type CBD.2, 4, 6, 10.

Screwdrivers and pliers

Screwdrivers for the activation of the spring on **H** series terminal blocks



CCH/2,5-4

Cat. No. **CCH02**

blade	0,5 x 3 x 80 mm
length	160 mm

CCH/6

Cat. No. **CCH06**

blade	1 x 5,5 x 125 mm
length	220 mm

Screwdrivers insulated for voltages up to 1000 V



CCV/2,5

Cat. No. **CCV03**

blade	0,4 x 2,5 x 75 mm
length	160 mm

CCV/4

Cat. No. **CCV04**

blade	0,8 x 4 x 100 mm
length	195 mm

CCV/5

Cat. No. **CCV05**

blade	1 x 5,5 x 125 mm
length	220 mm

The ergonomic shape of the handle guarantees comfort during all types of use. Furthermore, each handle has slip-proof rubber inserts, in light colour, to ensure a good grip on the tool.



Crimping pliers



This tool has been designed for plant engineering. The parallel movement of the matrices generates a 10000 N force. The entire tool is coated with plastic, which makes it ergonomic and comfortable to use.

Type	Cat. No.	Description
UMCT	UMCT3149	Crimping tool
UMPU02510	UMCT3127	Matrix for ferrules from 0.25 to 10 mm ²
UMPU1625	UMCT3153	Matrix for ferrules from 16 to 25 mm ²
UMPU3550	UMCT3154	Matrix for ferrules from 35 to 50 mm ²
UMPI1525	UMCT3129	Matrix for eyelets and spade lugs from 1,5 to 2,5 mm ²
UMPI4060	UMCT3128	Matrix for eyelets and spade lugs from 4 to 6 mm ²

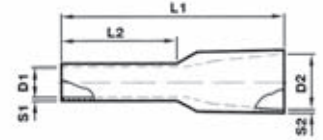
Ferrules



WP ferrules with insulated collar

For cable termination, a complete range of single entry bootlace ferrules is available. In electrolytic tinned copper, with polypropylene insulation.

Reference drawing



TYPE	CAT. NO.	COLOUR	CROSS-SECTION (mm ²)	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	S1 (mm)	S2 (mm)	Pcs per package
WP5-14	WP30002	White	0,5	1,0	2,6	14,0	8,0	0,15	0,25	500
WP75-14	WP30005	Grey	0,75	1,2	2,8	14,0	8,0	0,15	0,25	500
WP1-14	WP30009	Red	1,0	1,4	3,0	14,0	8,0	0,15	0,25	500
WP15-14	WP30013	Black	1,5	1,7	3,5	14,0	8,0	0,15	0,25	500
WP25-14	WP30016	Blue	2,5	2,2	4,2	14,0	8,0	0,15	0,25	500
WP40-16	WP30019	Grey	4,0	2,8	4,8	17,0	10,0	0,2	0,3	500
WP60-20	WP30022	Yellow	6,0	3,5	6,3	20,0	12,0	0,2	0,3	100
WP100-21	WP30024	Red	10,0	4,5	7,6	22,0	12,0	0,2	0,4	100
WP160-22	WP30026	Blue	16,0	5,8	8,8	24,0	12,0	0,2	0,4	100
WP250-29	WP30028	Yellow	25,0	7,3	11,2	30,0	16,0	0,2	0,4	50
WP350-30	WP30030	Red	35,0	8,3	12,7	30,0	16,0	0,2	0,4	50
WP500-40	WP30032	Blue	50,0	10,3	15,0	36,0	20,0	0,3	0,5	50



WPD ferrules with insulated collar – double entry

Double entry ferrules are made of electrolytic tinned copper and insulation in special polyamide for high temperatures (+ 110 °C).

These ferrules are designed to be used in connections requiring safe and rapid shunting; indeed, current tendencies towards the miniaturisation of electrical circuits provide a valid and economic use for these terminals.

The unique and large entry space comfortably takes the width of two wires.

Reference drawing



Type	Cat. No.	COLOUR	SEZIONE (mm ²)	DIMENSIONS (mm)								Pcs per package
				D1	D2	D3	L1	L2	S1	S2		
WPD05/15	WP90001	White	2,0 x 0,5	1,5	2,5	4,7	15,7	8,7	0,15	0,3	500	
WPD75/15	WP90002	Grey	2,0 x 0,75	1,8	2,8	5,0	15,5	8,9	0,15	0,3	500	
WPD01/15	WP90003	Red	2,0 x 1,0	2,3	3,2	5,5	15,8	8,0	0,15	0,3	500	
WPD15/16	WP90004	Black	2,0 x 1,5	2,3	3,5	6,5	16,0	8,0	0,15	0,3	500	
WPD25/18	WP90005	Blue	2,0 x 2,5	2,9	4,3	7,5	18,3	10,0	0,20	0,4	500	
WPD04/23	WP90006	Grey	2,0 x 4,0	3,8	4,9	8,8	23,3	12,5	0,20	0,4	100	



TSA cable bindings

For the rapid wiring of conductors; in self-extinguishing polyamide, available in the following sizes:

TSA/3	int. Ø = 1,5 mm - ext. Ø = 3,5 mm	Cat. No. TSA03
TSA/6	int. Ø = 4 mm - ext. Ø = 6 mm	Cat. No. TSA06
TSA/10	int. Ø = 8 mm - ext. Ø = 10 mm	Cat. No. TSA10
TSA/12	int. Ø = 9,5 mm - ext. Ø = 12 mm	Cat. No. TSA12

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	ACB.70/BB	AC100	20	CB70/PT(EX)I	CBX83	137	CHP.2/GR	HVP900GR	91	
	ACI121017	Z121017	139	CBC.10 (EX)I	CBI10	4	CHP.2D/GR	HVP910GR	91	
	ACI121019	Z121019	139	CBC.10/GR	CBC10GR	4	CHTE.2	HVT900	92	
	ACI121026	Z121026	144	CBC.16 (EX)I	CBI16	4	CHTE.2D	HVT910	92	
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