

Spring clamp and insulation displacement terminal blocks - Polyamide insulated

Feed-through terminal blocks

HMM.1 series	page 67
HMM.2 series	page 68
HMM.4	page 69
HMM.6	page 69

Earth terminal blocks

HTE.1 series	page 70
HTE.2 series	page 71
HTE.4	page 72
HTE.6	page 72

Two and three level terminal blocks

HMD.1 - HMD.1/CI	page 73
HMD.2N - HMD.2N/CI	page 73
HMD.2	page 73
HMD.1/X (for electronic components)	page 74
HMD.2N/X (for electronic components)	page 74
HMD.2N/DD - HMD.2N/3DC (with diodes)	page 74

Disconnect terminal blocks

HMM.2/1+2/S	page 75
HMM.2/2+2/A	page 75
HMM.2/2+2/S	page 75
HMS.2	page 76
HSCB.4 (slide link)	page 76
HSCB.6 (slide link for measuring circuits)	page 76

Fuse-holder terminal blocks

HMFA.2 (for blade fuses)	page 77
HMF.4	page 77
HMF.4/L... (with LED)	page 77

Terminal blocks for connectors

HCD.1	page 78
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Mini terminal blocks

HPP.2 - HPP.2/P	page 79
HP.2 - HP.2/P	page 80
HPC.2 - HPC.2/P	page 81

Insulation displacement terminal blocks

Feed-through terminal blocks

NCS - NCV	pages 82-83
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Spring clamp terminal blocks

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.

Thanks to the simple but effective wire clamping system, it is possible to perform the wire connecting operations with the aid of a simple screwdriver.

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.

For the terminal blocks with a 6 mm² rated cross section, a two-pole **PH** or **PHM** (with increased pitch, in case of end section interposed) jumpers, with insulated cap, are available. In case of electrical measurements, the

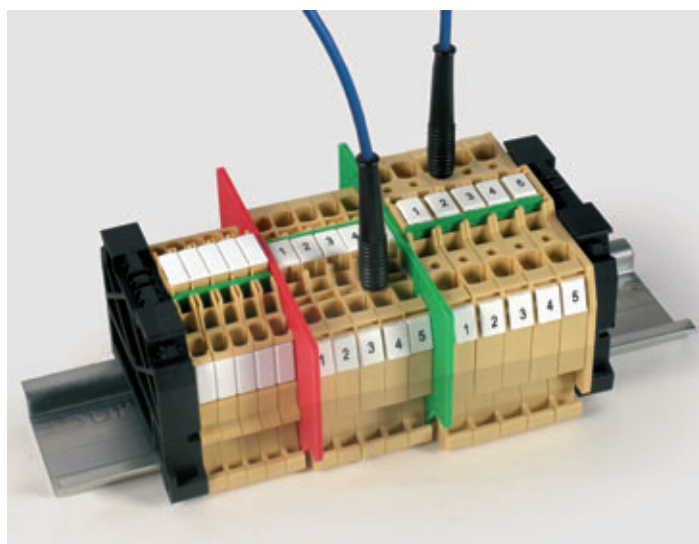


symmetrical housings provided in each terminal block allow the insertion of a test plug having a diameter of 2.3 mm (our type SDD/1). The contact is made directly on the conducting body and not on the clamping spring, ensuring accurate measurement.

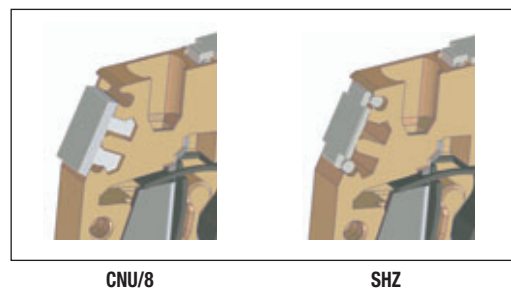
Marking systems

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.

For the terminal blocks with a 6 mm² rated cross section, a special hinged fixing method of the marking strip on the upper surface allows the rotation of the tag upwards whenever there is the need to insert the screwdriver for the activation of the spring; once the operation is concluded, the tag can be positioned in its original position, by exerting a slight pressure and securing it in such a way in a stable position.



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 (beige RAL 1001 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

Standard version	
(Ex)i version	
Yellow/green 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 - cUL
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

HMM.1	Cat. No. HM400
HMM.1 (Ex)i	Cat. No. HI400
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	
8 KV / 3	
10	
43 / 45 / 4,2	
51 / 45 / 4,2	
-	

HMM.1/1+2	Cat. No. HM410
HMM.1/1+2 (Ex)i	Cat. No. HI410
feed-through, 1 input and 2 outputs	
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	
8 KV / 3	
10	
43 / 56 / 4,2	
51 / 56 / 4,2	
-	

HMM.1/2+2	Cat. No. HM420
HMM.1/2+2 (Ex)i	Cat. No. HI420
feed-through, 2 inputs and 2 outputs	
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	
8 KV / 3	
10	
43 / 65 / 4,2	
51 / 65 / 4,2	
-	

APPROVALS



ACCESSORIES	
End sections	beige 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.1/PT	HM401
HMT.1/PT (Ex)i	HI401
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
-	-
-	-
DFH/1	DH01...
DFM/500	DF500
-	-
-	-
SDH/4 - SDH/4P	DH004 - DH04P
SH4/PT	DH401
SHZ/1	SH004
CCH/2,5-4	CCH02
-	-
-	-
-	-
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

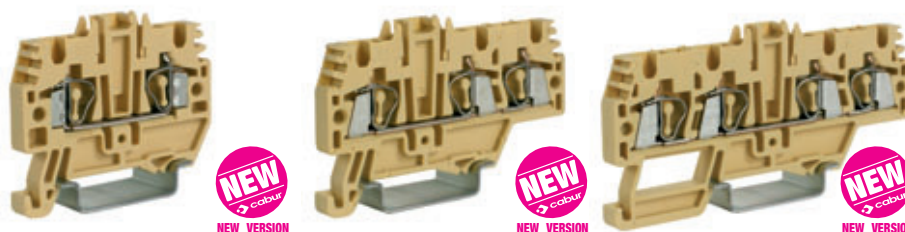
Type	Cat. No.
HMT.1/1+2/PT	HM411
HMT.1/1+2/PT (Ex)i	HI411
PTC/1/02 poles	PTC0102
PTC/1/03 poles	PTC0103
PTC/1/05 poles	PTC0105
PTC/1/10 poles	PTC0110
PTC/1/00 (50 poles)	PTC0100
17,5 PTC/SP	PTC0990
-	-
-	-
DFH/2	DH02...
DFM/500	DF500
-	-
-	-
SDH/4 - SDH/4P	DH004 - DH04P
SH4/PT	DH401
SHZ/1	SH004
CCH/2,5-4	CCH02
-	-
-	-
-	-
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.1/2+2/PT	HM421
HMT.1/2+2/PT (Ex)i	HI421
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
-	-
-	-
DFH/3	DH03...
DFM/500	DF500
-	-
-	-
SDH/4 - SDH/4P	DH004 - DH04P
SH4/PT	DH401
SHZ/1	SH004
CCH/2,5-4	CCH02
-	-
-	-
-	-
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 (beige RAL 1001 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	500	500V (end section)	630	630	630

Standard version

(Ex)i version

Yellow/green 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 - cUL
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

HMM.2

HMM.2 (Ex)i

HMM.2/GV

feed-through	2,5
flexible	0,2 ÷ 4
rigid	0,2 ÷ 4
max. flexible with ferrule	2,5 - WP25/14
rated voltage / rated current / gauge	800 V / 24 A / A3
rated voltage / rated current / AWG	600 V / 24 A / 24-12 AWG
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length	13
height / width / thickness	41 / 50 / 5,2
height / width / thickness	49 / 50 / 5,2



HMM.2/1+2

HMM.2/1+2 (Ex)i

HMM.2/1+2/GV

feed-through, 1 input and 2 outputs	2,5
flexible	0,2 ÷ 4
rigid	0,2 ÷ 4
max. flexible with ferrule	2,5 - WP25/14
rated voltage / rated current / gauge	800 V / 24 A / A3
rated voltage / rated current / AWG	600 V / 24 A / 24-12 AWG
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length	13
height / width / thickness	41 / 66 / 5,2
height / width / thickness	49 / 66 / 5,2



HMM.2/2+2

HMM.2/2+2 (Ex)i

HMM.2/2+2/GV

feed-through, 1 input and 2 outputs	2,5
flexible	0,2 ÷ 4
rigid	0,2 ÷ 4
max. flexible with ferrule	2,5 - WP25/14
rated voltage / rated current / gauge	800 V / 24 A / A3
rated voltage / rated current / AWG	600 V / 24 A / 24-12 AWG
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length	13
height / width / thickness	41 / 82 / 5,2
height / width / thickness	49 / 82 / 5,2



ACCESSORIES

End sections	beige 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	
Moduar test plug	
End section for moduar 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

HMT.2/PT	HM501
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
SHZ/2	SH001
CCH/2,5-4	CCH02
-	-
-	-
CNU/8	NU...
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

HMT.2/1+2/PT	HM511
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
SHZ/2	SH001
CCH/2,5-4	CCH02
-	-
-	-
CNU/8	NU...
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

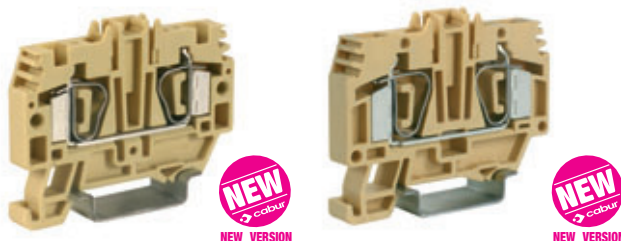
Type

HMT.2/2+2/PT	HM521
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
SHZ/2	SH001
CCH/2,5-4	CCH02
-	-
-	-
CNU/8	NU...
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 (beige RAL 1001 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

Terminal block	Jumper	Insulation voltage in the above configurations (V)				
HMM.4 - HMM.6	PTC/5/-/8	500	500	500	500	500

Standard version

(Ex)i version

Yellow/green 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 - cUL
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

HMM.4

Cat. No. **HM250**

HMM.4 (Ex)i

Cat. No. **HI250**

HMM.4/GV

Cat. No. **HM295**

feed-through	4
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V / 32 A / A4	
600 V / 32 A / 24-10 AWG	
8 KV / 3	
17	
45 / 58 / 6,2	
52 / 58 / 6,2	
-	



HMM.6

Cat. No. **HM310**

HMM.6 (Ex)i

Cat. No. **HI310**

HMM.6/GV

Cat. No. **HM390**

feed-through	6
0,2 ÷ 10	
0,2 ÷ 10	
6 - WP60/20	
800 V / 41 A / A5	
600 V / 41 A / 24-8 AWG	
8 KV / 3	
18	
44 / 62 / 8,2	
52 / 62 / 8,2	
-	



ACCESSORIES

End sections	beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100mm)	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	HM251
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
SHZ/4	SH002
CCH/2,5-4	CCH02
-	
-	
CNU/8	NU...
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.6/PT	HM311
HMT.6/PT (Ex)i	HI311
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
-	
-	
DFH/1	DH01...
-	
-	
SDD/1	DD001
-	
-	
SHZ/6	SH003
CCH/6	CCH06
-	
-	
CNU/8	NU...
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

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 green/yellow insulating body

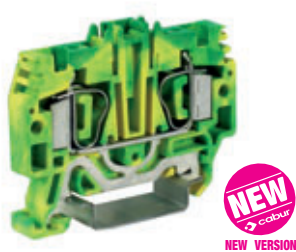


Standard version	HTE.1 Cat. No. HT400	HTE.1/1+2 Cat. No. HT410	HTE.1/2+2 Cat. No. HT420				
(Ex)i version							
TECHNICAL CHARACTERISTICS							
function / type	earth terminal block	earth terminal block, 1 input and 2 outputs	earth terminal block, 2 input and 2 outputs				
rated cross-section (mm ²)	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	- / - / B2	- / - / B2	- / - / B2				
rated voltage / rated current / AWG	- / - / 26-14 AWG	- / - / 26-14 AWG	- / - / 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 / 50 / 4,2	43 / 61 / 4,2	43 / 65 / 4,2				
height / width / thickness	51 / 50 / 4,2	51 / 61 / 4,2	51 / 65 / 4,2				
height / width / thickness	-	-	-				
APPROVALS							
ACCESSORIES							
End sections	beige blue	HMT.1/PT	HM401	HMT.1/1+2/PT	HM411	HMT.1/2+2/PT	HM421
Permanent cross connection (IPXXB protected once mounted)		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		-		-		-	
End section for modular test plug		-		-		-	
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	-		-		-	
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

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 green/yellow insulating body



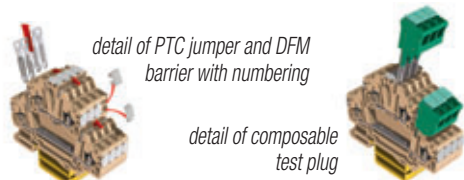
Standard version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL - cUL
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	
ACCESSORIES	
End sections	beige 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	
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.	

HTE.4		HTE.6	
Cat. No.	HT250	Cat. No.	HT310
earth terminal block		earth terminal block	
4		6	
0,2 ÷ 6		0,2 ÷ 10	
0,2 ÷ 6		0,2 ÷ 10	
4 - WP40/16		6 - WP60/20	
- / - / A4		- / - / A5	
- / - / 24-10 AWG		- / - / 24-8 AWG	
8 KV / 3		8 KV / 3	
17		18	
45 / 58 / 6,2		44 / 62 / 8,2	
52 / 58 / 6,2		52 / 62 / 8,2	
-		-	
Type	Cat. No.	Type	Cat. No.
HMT.4/PT	HM251	HMT.6/PT	HM311
-		-	
PTC/5/02 poles	PTC0502	PTC/8/02 poles	PTC0802
PTC/5/03 poles	PTC0503	PTC/8/03 poles	PTC0803
PTC/5/05 poles	PTC0505	PTC/8/05 poles	PTC0805
PTC/5/10 poles	PTC0510	PTC/8/10 poles	PTC0810
PTC/5/00 (40 poles)	PTC0500	PTC/8/00 30 poles	PTC0800
32		41	
PTC/SP	PTC0990	PTC/SP	PTC0990
-		-	
-		-	
DFH/1	DH01...	DFH/1	DH01...
-		-	
-		-	
SDD/1	DD001	SDD/1	DD001
SHZ/4	SH002	SHZ/6	SH003
CCH/2,5-4	CCH02	CCH/6	CCH06
-		-	
-		-	
CNU/8	NU...	CNU/8	NU...
-		-	
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

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



Please refer to the table on page 127 in order to determine the insulation voltage of the different PTC connection diagrams

HMD.2 terminal block with PHD.2 jumper

Standard 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 - cUL
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	Cat. No. HD200
HMD.1 (Ex)i	Cat. No. HD300
HMD.1/CI	Cat. No. HD120 NEW
two level feed-through	1,5
flexible	0,2 ÷ 2,5
rigid	0,2 ÷ 2,5
max. flexible with ferrule	1,5 - WP15/14
rated voltage / rated current / B2	500 V / 17,5 A / B2
rated voltage / rated current / AWG	600 V / 15 A / 26-14 AWG
rated impulse withstand voltage	6 kV / 3
insulation stripping length	10
height / width / thickness	59 / 73 / 4,2
height / width / thickness	67 / 73 / 4,2
height / width / thickness	-

HMD.2N	Cat. No. HD400
HMD.2N (Ex)i	Cat. No. HD410
HMD.2N/CI	Cat. No. HD450 NEW
two level feed-through	2,5
flexible	0,2 ÷ 2,5
rigid	0,2 ÷ 2,5
max. flexible with ferrule	1,5 - WP15/14
rated voltage / rated current / B2	630 V / 24 A / B2
rated voltage / rated current / AWG	600 V / 15 A / 26-14 AWG
rated impulse withstand voltage	8 kV / 3
insulation stripping length	10
height / width / thickness	59 / 73 / 5,2
height / width / thickness	67 / 73 / 5,2
height / width / thickness	-

HMD.2	Cat. No. HD100
two level feed-through	2,5
flexible	0,2 ÷ 4
rigid	0,2 ÷ 4
max. flexible with ferrule	1,5 - WP15/14
rated voltage / rated current / A3	800 V / 24 A / A3
rated voltage / rated current / AWG	600 V / 24 A / 24-12 AWG
rated impulse withstand voltage	8 kV / 3
insulation stripping length	13
height / width / thickness	49 / 91 / 5,2
height / width / thickness	56 / 91 / 5,2
height / width / thickness	-

APPROVALS



Approvals referred to HMD.1 standard version



Approvals referred to HMD.2N standard version



ACCESSORIES	
End sections	beige 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	
Moduar test plug	
End section for moduar 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	HD201
HMD.1/PT (Ex)i	HD301
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
-	
-	
-	
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	HD201
HMD.1/PT (Ex)i	HD301
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/07	DU07...
DFM/500	DF500
-	
-	
-	
SHZ/2	SH001
CCH/2,5-4	CCH02
-	
-	
CNU/8	NU...
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	HD101
-	
PH/2,5-4	PH100 PHD02
-	
24	
-	
PHD/2	PHD02
-	
DFH/4	DH04...
-	
-	
SDD/1	DD001
-	
-	
SHZ/2	SH001
CCH/2,5-4	CCH02
-	
-	
CNU/8 (on lower level only)	NU...
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 arranged to contain electronic components
- mounting onto PR/3 type rails – according to IEC 60715 Std., "TH/35" type



NEW
cabur



NEW
cabur

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

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

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

Standard 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 - cUL
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	
Cat. No.	HD130
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	
600 V / 24 A / 24-12 AWG	
2,5 - WP25/14	
6 kV / 3 (*)	
10	
59 / 73 / 4,2	
67 / 73 / 4,2	
-	

HMD.2N/X	
Cat. No.	HD440
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	
600 V / 24 A / 24-12 AWG	
2,5 - WP25/14	
6 kV / 3 (*)	
10	
59 / 73 / 5,2	
67 / 73 / 5,2	
-	

HMD.2N/DD	
Cat. No.	HD420
version equipped with two 1N4007 diodes in feed-through configuration for each level	

HMD.2/3DC	
Cat. No.	HD430
version equipped with three 1N4007 diodes and shared cathode	

APPROVALS

Approvals referred to HMD.1 standard version

Approvals referred to HMD.2N standard version

ACCESSORIES	
End sections	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	
Moduar test plug	
End section for moduar 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	HD201
-	-
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
-	-
-	-
-	-
-	-
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	HD201
-	-
PTC/3/02 poles	PTC0302
PTC/3/03 poles	PTC0303
PTC/3/05 poles	PTC0305
PTC/3/10 poles	PTC0310
PTC/3/00 (47 poles)	PTC0300
24	
-	-
DFU/7	DU07
DFM/500	DF500
-	-
-	-
-	-
SHZ/2	SH001
CCH/2,5-4	CCH02
-	-
-	-
CNU/8	NU...
-	-
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



Standard version	HMM.2/1+2/s Cat. No. HMS20	HMM.2/2+2/A Cat. No. HM170	HMM.2/2+2/s Cat. No. HMS10
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	disconnect, 1 input and 2 outputs	disconnect (open), 2 input and 2 outputs	disconnect, 2 input 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	600 V / 24 A / 24-12 AWG	600 V / 24 A / 24-12 AWG	600 V / 24 A / 24-12 AWG
UL - cUL			
rated impulse withstand voltage / pollution degree	6 kV / 3	6 kV / 3	6 kV / 3
insulation stripping length (mm)	13	13	13
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 beige blue	HMT.2/1+2/PT HM511	HMT.2/2+2/PT HM522	HMT.2/2+2/PT HMS22
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 DH3...
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	SDH/5 DH005
End section for modular test plug	SH5/PT DH501	SH5/PT DH501	SH5/PT DH501
Numbering strip	SHZ/2 SH001	SHZ/2 SH001	SHZ/2 SH001
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	CNU/8 NU...	CNU/8 NU...	CNU/8 NU...
End bracket	BTU for PR/DIN and PR/3 BT005 BTO BT007 BT/3 for PR/3 only BT003	BTU for PR/DIN and PR/3 BT005 BTO BT007 BT/3 for PR/3 only BT003	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	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

H series

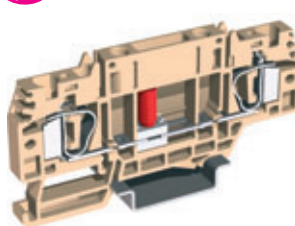
with polyamide insulating body



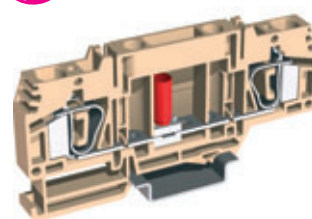
NEW VERSION



NEW

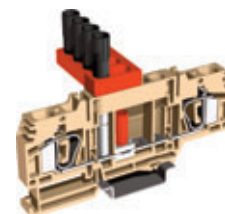


NEW



- 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

Please refer to the table on page 127 in order to determine the insulation voltage of the different PTC connection diagrams



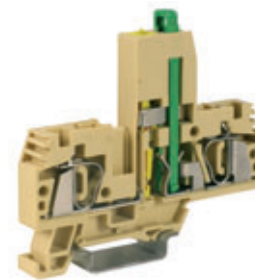
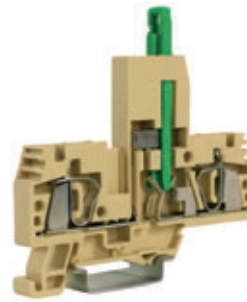
terminal block with short circuit plate and test plug

Standard version	HMS.2	HSCB.4	HSCB.6				
	Cat. No. HS200	Cat. No. HB100	Cat. No. HB200				
(Ex)i version							
TECHNICAL CHARACTERISTICS							
function / type	disconnect by lever	disconnect by slide-link	disconnect by slide-link				
rated cross-section (mm ²)	2,5	4	6				
connecting capacity							
flexible (mm ²)	0,2 ÷ 4	0,2 ÷ 6	0,2 ÷ 10				
rigid (mm ²)	0,2 ÷ 4	0,2 ÷ 6	0,2 ÷ 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	400 V / 16 A / A3	800 V / 32 A / A4	800 V / 41 A / A5				
rated voltage / rated current / AWG	600 V / 24 A / 24-12 AWG	-	-				
rated impulse withstand voltage / pollution degree	6 kV / 3	6 kV / 3	6 kV / 3				
insulation stripping length (mm)	13	13	17				
height / width / thickness TH/35 7,5 mm	-	6,2	8,2				
height / width / thickness TH/35 15 mm	37 / 66 / 5,2	45 / 86 / 6,2	48 / 97 / 8,2				
height / width / thickness G32	45 / 66 / 5,2	53 / 86 / 6,2	56 / 97 / 8,2				
APPROVALS							
ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	
End sections	beige blue	HMT.2/1+2/PT	HM511	HSCB.4/PT	HB101	HSCB.6/PT	HB201
Permanent cross connection (intrinsically IPXXB protected once mounted)		PTC/03/02 poles	PTC0302	PTC/5/02 poles	PTC0502	PTC/8/02 poles	PTC0802
		PTC/03/03 poles	PTC0303	PTC/5/03 poles	PTC0503	PTC/8/03 poles	PTC0803
		PTC/03/05 poles	PTC0305	PTC/5/05 poles	PTC0505	PTC/8/05 poles	PTC0805
		PTC/03/10 poles	PTC0310	PTC/5/10 poles	PTC0510	PTC/8/10 poles	PTC0810
		PTC/03/00 (47 poles)	PTC0300	PTC/5/00 (40 poles)	PTC0500	PTC/8/00 (30 poles)	PTC0800
Rated current carrying capacity of jumper (A)		24		32		41	
Cross-connection identification strip (100 mm)	green	PTC/SP	PTC0990	PTC/SP	PTC0990	PTC/SP	PTC0990
Cross connection barrier		DFH/2	DH02	DFH/4	DH04	DFM/500	DF500
Coloured partition		-		-		-	
Internal cross connection		-		-		-	
Coloured partition	red, green, white	-		-		-	
Test plug socket		-		-		PSD/0	PD017
Test plug		SDD/1	DD001	-		SDD/1	DD001
Modular test plug		SDH/5	DH005	SDH/6	DH006	-	
Numbering strip		SHZ/2	SH001	SHZ/4	SH004	SHZ/6	SH006
Conducting element		-		-		-	
End section for modular test plug		SH5/PT	DH501	SH6/PT	DH601	-	
Signal element		-		-		-	
Screwdriver for the activation of the spring		CCH/2,5-4	CCH02	CCH/2,5-4	CCH02	CCH/6	CCH06
Screw and sleeve for short circuit plates (with socket)		-		-		HSCB/6/CPM	HB205
Short-circuit plate between 2 adjoining terminal blocks		-		-		HSCB/6/PO/2	HB203
Short-circuit plate 4 adjoining terminal blocks		-		-		HSCB/6/PO/4	HB204
Marking tag	printed or blank	CNU/8	NU...	CNU/8	NU...	CNU/8	NU...
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

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



for Ø 5 x 20 mm fuse

for Ø 5 x 20 mm fuse

Please refer to the table on page 127 in order to determine the insulation voltage of the different PTC connection diagrams

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

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

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.

Standard 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 - cUL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HMFA.2	
Cat. No.	HF300
for blade fuse	
rated cross-section	2,5
flexible	0,2 ÷ 4
rigid	0,2 ÷ 4
max. flexible with ferrule	2,5 - WP25/14
rated voltage / rated current / gauge	400 V (*) / 15 A (**) A / A3
rated voltage / rated current / AWG	-
(Ex e) rated voltage	-
rated impulse withstand voltage / pollution degree	4 kV (*) / 3
insulation stripping length	11
tightening torque value (test / recommended)	-
height / width / thickness	41 / 66 / 5,2
height / width / thickness	49 / 66 / 5,2
height / width / thickness	- / - / -

HMF.4	
Cat. No.	HF110
for Ø 5 x 20 mm fuse	
rated cross-section	4
flexible	0,2 ÷ 6
rigid	0,2 ÷ 6
max. flexible with ferrule	4 - WP40/16
rated voltage / rated current / gauge	630 V (*) / 6,3 A (20 with CO/5) / A4
rated voltage / rated current / AWG	600 V / 20 A / 24-10 AWG
(Ex e) rated voltage	-
rated impulse withstand voltage / pollution degree	6 kV (*) / 3
insulation stripping length	13
tightening torque value (test / recommended)	-
height / width / thickness	68 / 80 / 8
height / width / thickness	76 / 80 / 8
height / width / thickness	-

HMF.4/L12	
Cat. No.	HF212
HMF.4/L24	
Cat. No.	HF224
HMF.4/L48	
Cat. No.	HF248
for fuse and LED circuit	
rated cross-section	4
flexible	0,2 ÷ 6
rigid	0,2 ÷ 6
max. flexible with ferrule	4 - WP40/16
rated voltage / rated current / gauge	630 V (*) / 6,3 A (20 with CO/5) / A4
rated voltage / rated current / AWG	600 V / 20 A / 24-10 AWG
(Ex e) rated voltage	-
rated impulse withstand voltage / pollution degree	6 kV (*) / 3
insulation stripping length	13
tightening torque value (test / recommended)	-
height / width / thickness	68 / 80 / 8
height / width / thickness	76 / 80 / 8
height / width / thickness	-

APPROVALS

KEMA-KEUR, UL and cUL pending



Approvals referred to standard version

ACCESSORIES	
End sections	beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	
Jumper with increased pitch	250 mm
Multiple common bar	
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	
Test plug socket	
Test plug	
Moduar test plug	
End section for moduar test plug	
Blade fuses acc. to DIN 72581/3F	In = 2 A
ISO 8820 – max. voltage 32 V	In = 5 A 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	HM511
PTC/03/02	PTC0302
PTC/03/03	PTC0303
PTC/03/05	PTC0305
PTC/03/10	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
-	-
DFH/02	DH02...
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
F32/2	FN03202
F32/5	FN03205
F32/7	FN03207
F32/15	FN03215
SHZ/2	SH001
CCH/2,5-4	CCH02
CNU/8	NU.....
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.
HMF/PT	HF111
PH/2,5-4	PH100
32	
PHM/2,5-4	PHM01
DFH/4	DH4...
SDD/1	DD001
LSH/** (acc. to the voltage)	LS...
SHZ/6	SH003
CCH/2,5-4	CCH02
CNU/8	NU...
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.
HMF/PT	HF111
PH/2,5-4	PH100
32	
PHM/2,5-4	PHM01
DFH/4	DH4...
SDD/1	DD001
SHZ/6	SH003
CCH/2,5-4	CCH02
CNU/8	NU...
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



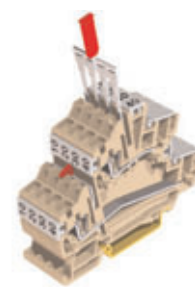
- for 5.08 mm pitch female connectors - on two levels
- mounting onto PR/3 type rails – according to IEC 60715 Std., “TH/35” type
- double possibility to house PTC – “easy bridge” multi-pole cross connection, on each level

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	320

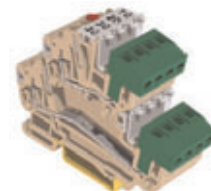
Standard version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section (mm ²)	
connecting capacity	
flexible (mm ²)	
rigid (mm ²)	
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG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

HCD.1	
Cat. No.	HC200
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
	-

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



APPROVALS



ACCESSORIES	
End sections	beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	two poles
Rated current carrying capacity of jumper (A)	
Multiple common bar	250 mm
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Moduar test plug	
End section for moduar test plug	
Lug protection cover	10 poles
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.
HCD.1/PT	HC201
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
SNZ/508	SN009
CCH/2,5-4	CCH02
-	
-	
CNU/8	NU...
BTO	BT007
-	
BT/3 for PR/3 only	BT003
-	
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

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

HPP series

with polyamide insulating body

- in grey (RAL 7035)
- UL94V-0
- mounting onto PR/2 type rails, TH/15 type



moduar test plug

version suited for cross-connection



Standard version	
(Ex)i version	
Yellow/green version	
TECHNICAL CHARACTERISTICS	
function / type	feed-through
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 UL - cUL	600 V / 24 A / 24-12 AWG
(Ex e) rated voltage / (V)	-
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length (mm)	13
tightening torque value (test / recommended) (Nm)	-
height / width / thickness / 5,5	33,5 / 39 / 5,2

HPP.2	Cat. No. HP170
HPP.2 (Ex)i	Cat. No. HP132
HPP.2/GV	Cat. No. HP192

HPP.2/P	Cat. No. HP120
HPP.2/P (Ex)i	Cat. No. HP135
HPP.2/P/GV	Cat. No. HP212

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



ACCESSORIES	
End sections	beige blue
Permanent cross connection	-
Rated current carrying capacity of jumper (A)	-
Coloured partition	red, green, white
Numbering strip	-
Screwdriver for the activation of the spring	-
Moduar test plug	-
End section for moduar test plug	-
Test plug	-
End bracket	-
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HP/PT	HP101
HP/PT (Ex)i	HP201
-	-
-	-
-	-
-	-
DFP/2	DFP2..
SHZ/2	SH002
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.
HP/PT	HP101
HP/PT (Ex)i	HP201
PHP/2 poles	PHP02
PHP/3 poles	PHP03
PHP/5 poles	PHP05
24	-
DFP/2	DFP2..
SHZ/2	SH002
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

SUGGESTED COMPOSITION: for the mounting of terminal boards formed by terminal blocks type **HPP.2** and **HPP.2/P** it is highly recommended to use together **HP.2** (or **HP.2/P**) and **HPP.2** (or **HPP.2/P**) 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** (**HPP.2/P**) and dismount them one at a time, with the aid of an appropriate screwdriver (CCH/2.5 - 5) and acting in the appropriate slots of the insulating wall of the terminal blocks

HP series

with polyamide insulating body

- UL94V-0
- panel mount version



modular test plug

version suited for cross-connection



Standard version	
(Ex)i version	
Yellow/green 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 - cUL	
(Ex e) rated voltage / (V)	
rated impulse withstand voltage / pollution degree	
insulation stripping length (mm)	
tightening torque value (test / recommended) (Nm)	
height / width / thickness (panel mount)	

HP.2	Cat. No. HP150
HP.2 (Ex)i	Cat. No. HP130
HP.2/GV	Cat. No. HP190
TECHNICAL CHARACTERISTICS	
function / type	feed-through for panel mount by means of screws
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 UL - cUL	600 V / 24 A / 24-12 AWG
(Ex e) rated voltage / (V)	-
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length (mm)	13
tightening torque value (test / recommended) (Nm)	-
height / width / thickness (panel mount)	26 / 36 / 5,2

HP.2/P	Cat. No. HP100
HP.2/P (Ex)i	Cat. No. HP133
HP.2/P/GV	Cat. No. HP210
TECHNICAL CHARACTERISTICS	
function / type	feed-through, version suited for cross-connection
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 UL - cUL	600 V / 24 A / 24-12 AWG
(Ex e) rated voltage / (V)	-
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length (mm)	13
tightening torque value (test / recommended) (Nm)	-
height / width / thickness (panel mount)	26 / 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.

SUGGESTED COMPOSITION: for the mounting of terminal boards formed by terminal blocks type **HPP.2** and **HPP.2/P** it is highly recommended to use together **HP.2** (or **HP.2/P**) and **HPP.2** (or **HPP.2/P**) 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** (**HPP.2/P**) and dismount them one at a time, with the aid of an appropriate screwdriver (CCH/2.5 - 5) and acting in the appropriate slots of the insulating wall of the terminal blocks

APPROVALS



ACCESSORIES	
End sections	beige blue
Permanent cross connection	two poles
Rated current carrying capacity of jumper (A)	
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	HV111
-	-
-	-
-	-
SHZ/2	SH002
CCH/2,5-4	CCH02
SDH/5	DH005
SH5/PT	DH501
SDD/1	DD001
-	-
-	-
-	-
-	-

Type	Cat. No.
HPV/PT	HV111
-	-
PHP/2 2 poles	PHP02
PHP/3 3 poles	PHP03
PHP/5 5 poles	PHP05
24	
-	-
SHZ/2	SH002
CCH/2,5-4	CCH02
SDH/5	DH005
SH5/PT	DH501
SDD/1	DD001
-	-
-	-
-	-
-	-

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



modular test plug

version suited for cross-connection



Standard version	HPC.2	HPC.2/P
	Cat. No. HP160	Cat. No. HP110
(Ex)i version	HPC.2 (Ex)i Cat. No. HP131	HPC.2/P (Ex)i Cat. No. HP134
Yellow/green version	HPC.2/GV Cat. No. HP191	HPC.2/P/GV Cat. No. HP211
TECHNICAL CHARACTERISTICS		
function / type	feed-through for panel mount by means of clips	feed-through, version suited for cross-connection
rated cross-section (mm ²)	2,5	2,5
connecting capacity		
flexible (mm ²)	0,2 ÷ 4	0,2 ÷ 4
rigid (mm ²)	0,2 ÷ 4	0,2 ÷ 4
max. flexible with ferrule (mm ²)-ferrule type	2,5 - WP25/14	2,5 - WP25/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 24 A / A3	800 V / 24 A / A3
rated voltage / rated current / AWG UL - cUL	600 V / 24 A / 24-12 AWG	600 V / 24 A / 24-12 AWG
(Ex e) rated voltage (V)	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3
insulation stripping length (mm)	13	13
tightening torque value (test / recommended) (Nm)	-	-
height / width / thickness (panel mount by means of clips)	26 / 36 / 5,2	26 / 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



ACCESSORIES		Type	Cat. No.	Type	Cat. No.
End sections	beige blue	HPV/PT	HV111	HPV/PT	HV111
Permanent cross connection	two poles	-	-	PHP/2 2 poles	PHP02
		-	-	PHP/3 3 poles	PHP03
		-	-	PHP/5 5 poles	PHP05
Rated current carrying capacity of jumper (A)		-	-	24	-
Coloured partition	red, green, white	-	-	-	-
Numbering strip		SHZ/2	SH002	SHZ/2	SH002
Screwdriver for the activation of the spring		CCH/2,5-4	CCH02	CCH/2,5-4	CCH02
Modular test plug		SDH/5	DH005	SDH/5	DH005
End section for modular test plug		SH5/PT	DH501	SH5/PT	DH501
Test plug		SDD/1	DD001	SDD/1	DD001
End bracket		-	-	-	-
		-	-	-	-
Mounting rail according to IEC 60715 Std.		-	-	-	-
		-	-	-	-

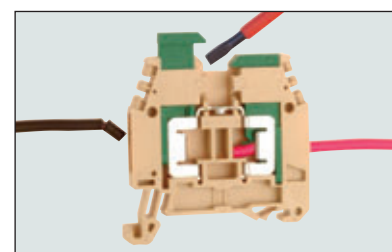
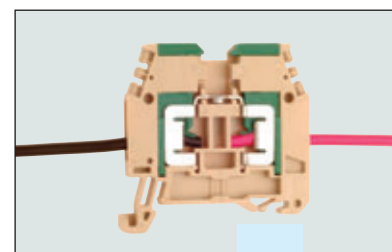
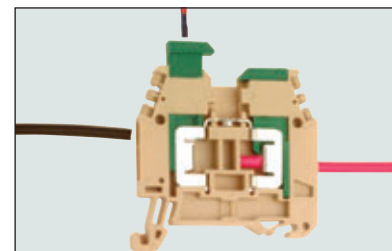
Insulation displacement terminal blocks

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:

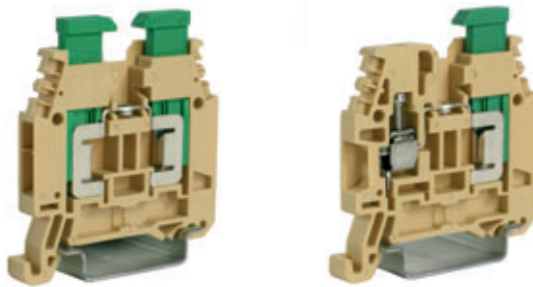
alongside the NCS terminal block, the NCV version also available: this version offers on one side the I.D.C. (Insulation Displacement Connection), and on the other the traditional screw-clamp connection.

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



Standard version	NCS	NCV		
	Cat. No. NC100	Cat. No. NC200		
(Ex)i version				
TECHNICAL CHARACTERISTICS				
function / type	feed-through	version with 1 screw connection		
rated cross-section (mm ²)	1,5	4 / 1,5		
connecting capacity				
flexible (mm ²)	0,5 ÷ 1,5	0,2 ÷ 6 / 0,5 ÷ 1,5		
rigid (mm ²)	0,5 ÷ 1	0,2 ÷ 6 / 0,5 ÷ 1		
max. flexible with ferrule (mm ²)-ferrule type	-	4 - WP40/16 (screw connection side)		
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 15 A / -	800 V / 15 A / A4		
rated voltage / rated current / AWG UL - cUL	600 V / 15 A / 20-16 AWG	600 V / 15 A / 20-16 AWG		
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3		
insulation stripping length (mm)	-	12		
tightening torque value (test / recommended) (Nm)	-	0,5 / 1,2		
height / width / thickness TH/35 7,5 mm	47 (53 with taper raised) / 48 / 6,2	47 (53 with taper raised) / 48 / 6,2		
height / width / thickness TH/35 15 mm	53 (61 with taper raised) / 48 / 6,2	53 (61 with taper raised) / 48 / 6,2		
height / width / thickness G32	-	-		
APPROVALS				
ACCESSORIES	Type	Cat. No.	Type	Cat. No.
End sections beige	NCS/PT	NC101	NCS/PT	NC101
blue	-		-	
Permanent cross connection two poles	POF/99	POF99	POF/99	POF99
Rated current carrying capacity of jumper (A)	24		24	
Multiple common bar 250 mm	PMP/02	PMP02	PMP/02	PMP02
Shunting screw	CPM/99	CPM99	CPM/99	CPM99
Coloured partition red, green, white	DFU/02	DU02..	DFU/02	DU02..
Cross connection barrier red	-		-	
Test plug socket	-		-	
Test plug	-		-	
Numbering strip	SNZ/60	SN007	SNZ/60	SN007
Screwdriver for the activation of the spring	-		-	
Warning plate on adjacent terminal blocks	-		-	
Marking tag printed or blank	CNU/8	NU...	CNU/8	NU...
	CSC	CS...	CSC	CS...
End bracket	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
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