

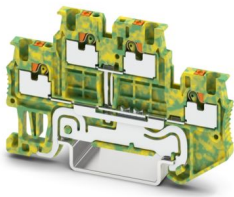
PTTB 1,5/S-PE - Protective conductor double-level terminal block



3208537

<https://www.phoenixcontact.com/fr/products/3208537>

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Protective conductor double-level terminal block, number of connections: 4, connection method: Push-in connection, 1st and 2nd level, cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Your advantages

- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off
- The compact design and front connection enable wiring in a confined space
- Tested for railway applications

Commercial data

Item number	3208537
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE2224
Product key	BE2224
GTIN	4046356564519
Weight per piece (including packing)	8.97 g
Weight per piece (excluding packing)	8 g
Customs tariff number	85369010
Country of origin	DE

PTTB 1,5/S-PE - Protective conductor double-level terminal block



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Technical data

Product properties

Product type	Ground terminal block
Product family	PT
Area of application	Railway industry
	Machine building
	Plant engineering
Number of connections	4
Number of rows	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Number of connections per level	2
Nominal cross section	1.5 mm ²

1st and 2nd level

Connection method	Push-in connection
Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A1 / B1
Connection in acc. with standard	IEC 60947-7-2
Conductor cross-section rigid	0.14 mm ² ... 1.5 mm ²
Cross section AWG	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible	0.14 mm ² ... 1.5 mm ²
Conductor cross-section, flexible [AWG]	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 1.5 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm ² ... 1 mm ² (Using the AI-S 1-8 TQ ferrule, Item No. 1200293, is recommended)

1st and 2nd level Connection cross sections directly pluggable

Conductor cross-section rigid	0.25 mm ² ... 1.5 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm ² ... 1.5 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.34 mm ² ... 1 mm ²

Ex data

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Rated data (ATEX/IECEX)

Identification	Ex II 2 GD Ex eb IIC Gb
Operating temperature range (1)	-60 °C ... 85 °C
Operating temperature range (2)	-40 °C ... 110 °C
Ex-certified accessories	3208579 D-PTTB 1,5/S
	1204504 SZF 0-0,4X2,5
	1204504 SZF 0-0,4X2,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
output	(Permanent)

Ex connection data General

Stripping length	8 mm
Nominal cross section	1.5 mm ²
Rated cross section AWG	16
Connection capacity rigid	0.14 mm ² ... 1.5 mm ²
Connection capacity AWG	26 ... 16
Connection capacity flexible	0.14 mm ² ... 1.5 mm ²
Connection capacity AWG	26 ... 16

Dimensions

Width	3.5 mm
End cover width	2.2 mm
Height	65.4 mm
Depth	41.1 mm
Depth on NS 35/7,5	42.6 mm
Depth on NS 35/15	50.1 mm

Material specifications

Color	green-yellow
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed

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Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Mechanical properties

Mechanical data

Open side panel	Yes
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Environmental and real-life conditions

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Long life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	$6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-2
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Mounting

Mounting type	NS 35/7,5
	NS 35/15

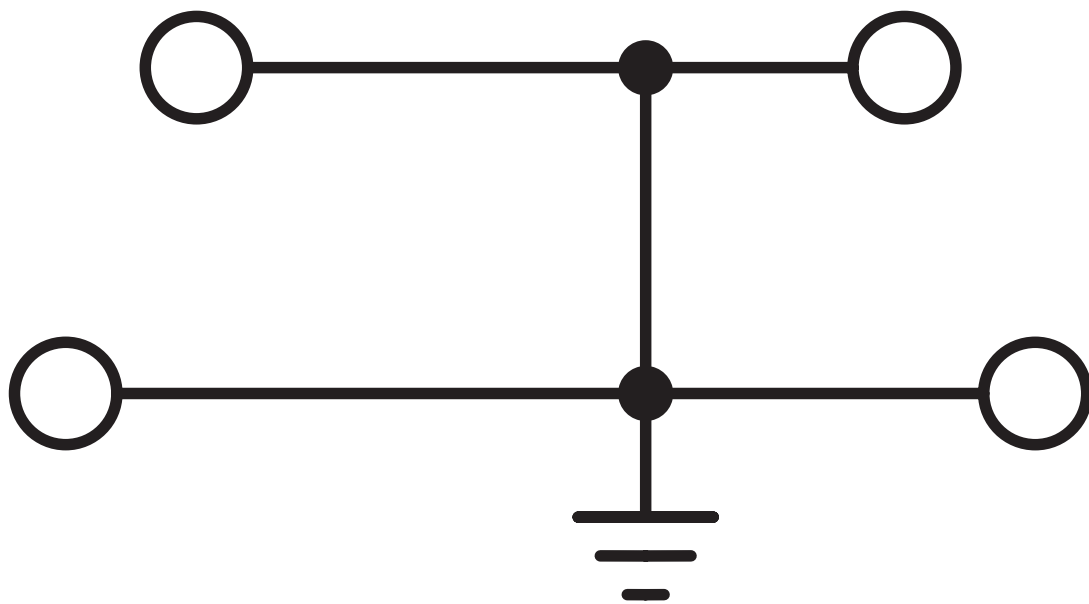
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Drawings

Circuit diagram



PTTB 1,5/S-PE - Protective conductor double-level terminal block



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/fr/products/3208537>

 CSA Approval ID: 2030668				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	-	-	26 - 14	-

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	-	-	26 - 14	-
C				
	-	-	26 - 14	-
D				
	-	-	26 - 14	-

 LR Approval ID: LR2371832TA				
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 NK Approval ID: 14ME0912				
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ABS Approval ID: 21-2192245-PDA				
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DNV Approval ID: TAE000010T				
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 IECEx Approval ID: IECEx SEV13.0005U				
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 ATEX Approval ID: SEV13ATEX0159U				
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CCC

Approval ID: 2020322313000631



EAC Ex

Approval ID: KZ 7500525010101950

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Classifications

ECLASS

ECLASS-13.0	27250104
ECLASS-15.0	27250104

ETIM

ETIM 9.0	EC000901
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%
EF3.0 Climate Change	
CO2e kg	0.059 kg CO2e

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Accessories



Note: Applying some accessories below might limit this product.

FBS 50-3,5 - Plug-in bridge

3000706

<https://www.phoenixcontact.com/fr/products/3000706>



Plug-in bridge, pitch: 3.5 mm, number of positions: 50, color: red



Max. current carrying capacity: 17.5 A

FBS 50-3,5 BU - Plug-in bridge

3000708

<https://www.phoenixcontact.com/fr/products/3000708>



Plug-in bridge, pitch: 3.5 mm, number of positions: 50, color: blue



Max. current carrying capacity: 17.5 A

PTTB 1,5/S-PE - Protective conductor double-level terminal block



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<https://www.phoenixcontact.com/fr/products/3208537>

FBS 50-3,5 GY - Plug-in bridge

3000707

<https://www.phoenixcontact.com/fr/products/3000707>

Plug-in bridge, pitch: 3.5 mm, number of positions: 50, color: gray



 Max. current carrying capacity: 17.5 A

ATP-STTB 4 - Partition plate

3030747

<https://www.phoenixcontact.com/fr/products/3030747>

Partition plate, depth: 53 mm, width: 2 mm, height: 88.7 mm, color: gray



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D-PTTB 1,5/S - End cover

3208579

<https://www.phoenixcontact.com/fr/products/3208579>

End cover, depth: 34.9 mm, width: 2.2 mm, height: 65.4 mm, color: gray



STP 3,5-2 - Marker carriers

0830131

<https://www.phoenixcontact.com/fr/products/0830131>



Marker carriers, snaps into the PTTB 1,5/S Push-in double-level terminal block, can be marked with UCT-TM 3,5, UCT-TMF 3,5, ZB 3,5, or ZBF 3,5, gray, unmarked, mounting type: plug in, text field height: 10.5 mm, text field width: 3.5 mm

PTTB 1,5/S-PE - Protective conductor double-level terminal block



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D-PTTB 1,5/S-0,8 OG - End cover

1029589

<https://www.phoenixcontact.com/fr/products/1029589>

End cover, depth: 34.9 mm, width: 0.8 mm, height: 65.4 mm, color: orange



AI-S 1 - 8 TQ - Ferrule

1200293

<https://www.phoenixcontact.com/fr/products/1200293>

Ferrule, S-Slimline, Length contact range: 8 mm, sleeve length: 14 mm, color: turquoise



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NS 35/ 7,5 PERF 2000MM - DIN rail perforated

0801733

<https://www.phoenixcontact.com/fr/products/0801733>



DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

NS 35/ 7,5 UNPERF 2000MM - DIN rail, unperforated

0801681

<https://www.phoenixcontact.com/fr/products/0801681>



DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver-colored

PTTB 1,5/S-PE - Protective conductor double-level terminal block



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NS 35/ 7,5 WH PERF 2000MM - DIN rail perforated

1204119

<https://www.phoenixcontact.com/fr/products/1204119>



DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, white passivated, Standard profile, color: silver-colored

NS 35/ 7,5 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204122

<https://www.phoenixcontact.com/fr/products/1204122>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, white passivated, Standard profile, color: silver-colored

PTTB 1,5/S-PE - Protective conductor double-level terminal block



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NS 35/ 7,5 AL UNPERF 2000MM - DIN rail, unperforated

0801704

<https://www.phoenixcontact.com/fr/products/0801704>



DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver-colored

NS 35/ 7,5 ZN PERF 2000MM - DIN rail perforated

1206421

<https://www.phoenixcontact.com/fr/products/1206421>



DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, zinc plating, Standard profile, color: silver-colored

PTTB 1,5/S-PE - Protective conductor double-level terminal block



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NS 35/ 7,5 ZN UNPERF 2000MM - DIN rail, unperforated

1206434

<https://www.phoenixcontact.com/fr/products/1206434>



DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, zinc plating, Standard profile, color: silver-colored

NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

0801762

<https://www.phoenixcontact.com/fr/products/0801762>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored

PTTB 1,5/S-PE - Protective conductor double-level terminal block



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NS 35/ 7,5 CAP - End cap

1206560

<https://www.phoenixcontact.com/fr/products/1206560>

DIN rail end piece, for DIN rail NS 35/7.5



NS 35/15 PERF 2000MM - DIN rail perforated

1201730

<https://www.phoenixcontact.com/fr/products/1201730>



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver-colored

PTTB 1,5/S-PE - Protective conductor double-level terminal block



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NS 35/15 UNPERF 2000MM - DIN rail, unperforated

1201714

<https://www.phoenixcontact.com/fr/products/1201714>



DIN rail, unperforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver-colored

NS 35/15 WH PERF 2000MM - DIN rail perforated

0806602

<https://www.phoenixcontact.com/fr/products/0806602>



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, white passivated, Standard profile, color: white

PTTB 1,5/S-PE - Protective conductor double-level terminal block



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NS 35/15 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204135

<https://www.phoenixcontact.com/fr/products/1204135>



DIN rail, unperforated, Pack of 10 (20 m), similar to EN 60715, material: Steel, galvanized, white passivated, Standard profile, color: silver-colored

NS 35/15 AL UNPERF 2000MM - DIN rail, unperforated

1201756

<https://www.phoenixcontact.com/fr/products/1201756>



DIN rail, unperforated, similar to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver-colored

PTTB 1,5/S-PE - Protective conductor double-level terminal block



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NS 35/15 ZN PERF 2000MM - DIN rail perforated

1206599

<https://www.phoenixcontact.com/fr/products/1206599>



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, zinc plating, Standard profile, color: silver-colored

NS 35/15 ZN UNPERF 2000MM - DIN rail, unperforated

1206586

<https://www.phoenixcontact.com/fr/products/1206586>



DIN rail, unperforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, zinc plating, Standard profile, color: silver-colored

PTTB 1,5/S-PE - Protective conductor double-level terminal block



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NS 35/15 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201895

<https://www.phoenixcontact.com/fr/products/1201895>



DIN rail, unperforated, Pack of 10 (20 m), similar to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored

NS 35/15 CAP - End cap

1206573

<https://www.phoenixcontact.com/fr/products/1206573>

DIN rail end piece, for DIN rail NS 35/15



PTTB 1,5/S-PE - Protective conductor double-level terminal block



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NS 35/15-2,3 UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201798

<https://www.phoenixcontact.com/fr/products/1201798>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile 2.3 mm, color: silver-colored

MPS-MT - Test plug

0201744

<https://www.phoenixcontact.com/fr/products/0201744>



Test plug, with solder connection up to 1 mm² conductor cross-section, number of positions: 1, color: gray

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MPS-IH WH - Insulating sleeve

0201663

<https://www.phoenixcontact.com/fr/products/0201663>

Insulating sleeve, color: white



MPS-IH RD - Insulating sleeve

0201676

<https://www.phoenixcontact.com/fr/products/0201676>

Insulating sleeve, color: red



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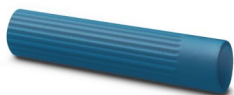
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MPS-IH BU - Insulating sleeve

0201689

<https://www.phoenixcontact.com/fr/products/0201689>

Insulating sleeve, color: blue



MPS-IH YE - Insulating sleeve

0201692

<https://www.phoenixcontact.com/fr/products/0201692>

Insulating sleeve, color: yellow



PTTB 1,5/S-PE - Protective conductor double-level terminal block



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MPS-IH GN - Insulating sleeve

0201702

<https://www.phoenixcontact.com/fr/products/0201702>

Insulating sleeve, color: green



MPS-IH GY - Insulating sleeve

0201728

<https://www.phoenixcontact.com/fr/products/0201728>

Insulating sleeve, color: gray



PTTB 1,5/S-PE - Protective conductor double-level terminal block



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MPS-IH BK - Insulating sleeve

0201731

<https://www.phoenixcontact.com/fr/products/0201731>

Insulating sleeve, color: black



PS-3,5 - Test plug

3031010

<https://www.phoenixcontact.com/fr/products/3031010>

Test plug, Modular test plug, number of positions: 1, color: red



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DP PS-3,5 - Spacer plate

3031011

<https://www.phoenixcontact.com/fr/products/3031011>



Spacer plate, depth: 33.5 mm, width: 3.5 mm, height: 15.9 mm, number of positions: 1, color: red

PS-3,5/E - Test plug

3031012

<https://www.phoenixcontact.com/fr/products/3031012>



Test plug, Individual test plug, number of positions: 1, color: red

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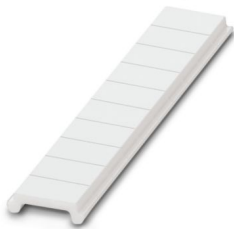
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ZBF 3,5:UNBEDRUCKT - Zack Marker strip, flat

0829392

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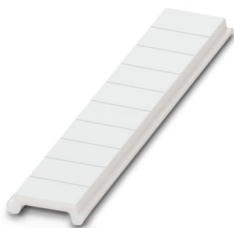


Zack Marker strip, flat, Strip, white, unmarked, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: latching, for terminal block width: 3.5 mm, Number of individual labels: 10, text field height: 5.2 mm, text field width: 3.5 mm

ZBF 3,5 CUS - Zack Marker strip, flat

0829394

<https://www.phoenixcontact.com/fr/products/0829394>



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, Number of individual labels: 10, text field height: 5.2 mm, text field width: 3.5 mm

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UCT-TMF 3,5 - Marker for terminal blocks

0829486

<https://www.phoenixcontact.com/fr/products/0829486>



Marker for terminal blocks, Sheet, white, unmarked, can be labeled with: BLUEMARK E.CARD, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME 2.0, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, TOPMARK NEO, TOPMARK LASER, mounting type: latching, for terminal block width: 3.5 mm, Number of individual labels: 108, text field height: 4.7 mm, text field width: 2.7 mm

UCT-TMF 3,5 CUS - Marker for terminal blocks

0829644

<https://www.phoenixcontact.com/fr/products/0829644>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, Number of individual labels: 108, text field height: 4.7 mm, text field width: 2.7 mm

PTTB 1,5/S-PE - Protective conductor double-level terminal block



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SZF 0-0,4X2,5 - Screwdriver

1204504

<https://www.phoenixcontact.com/fr/products/1204504>



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

ST-BW 0 - Actuation tool

1200135

<https://www.phoenixcontact.com/fr/products/1200135>



Actuation tool, for all 1.5 mm² spring cages from PT 1,5/S and FT 1,5/S

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PROJECT COMPLETE - Software

1050453

<https://www.phoenixcontact.com/fr/products/1050453>



Intuitive planning and marking software for configuring terminal strips and for professional marking of marking materials for terminal blocks, conductors, cables, devices, and systems. The software is available for download

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