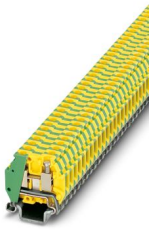
MT 1,5-PE - Protective conductor terminal block

3100318

https://www.phoenixcontact.com/pc/products/3100318

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Protective conductor terminal block, number of connections: 2, connection method: Screw connection, 1 level, cross section: 0.14 mm^2 - 1.5 mm^2, mounting type: NS 15, color: green-yellow

Your advantages

- Low contact resistance
- Corrosion-free terminal points
- Green-yellow housing
- Captive terminal block screws

Commercial data

Item number	3100318
Packing unit	50 pc
Minimum order quantity	50 pc
Product key	BE1261
GTIN	4017918099268
Weight per piece (including packing)	2.88 g
Weight per piece (excluding packing)	2.693 g
Customs tariff number	85369010
Country of origin	TR

Technical data

Notes

General	When aligning with a feed-through terminal block of the same shape, an end cover must be interposed for insulation voltages of > 320 V

Product properties

Product type	Ground terminal block
Number of connections	2
Number of rows	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Number of connections per level	2
Nominal cross section	1.5 mm²

1 level

Connection method	Screw connection
Screw thread	M2
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	0.22 ... 0.25 Nm
Stripping length	6 mm
Internal cylindrical gage	A1
Connection in acc. with standard	IEC 60947-7-2
Conductor cross-section rigid	0.14 mm² ... 1.5 mm²
Cross section AWG	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible	0.14 mm² ... 1.5 mm²
Conductor cross-section, flexible [AWG]	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² ... 0.75 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm² ... 0.75 mm²

Dimensions

Width	4.2 mm
Height	22 mm
Depth on NS 15	23.5 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
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	No

Environmental and real-life conditions

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

Mounting

Mounting type	NS 15

Drawings

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/3100318

CSA
Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	-	-	28 - 14	-

cULus Recognized
Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	-	-	30 - 14	-
F				
	-	-	30 - 14	-
D				
	-	-	30 - 14	-

CCA
Approval ID: NTR-NL 4243

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	-	-	-	- 1.5

LR
Approval ID: LR2041789TA-02

BV
Approval ID: 07774/E0 BV

EAC
Approval ID: KZ7500651131219505

DNV
Approval ID: TAE00001CT

Classifications

ECLASS

ECLASS-13.0	27250103
ECLASS-15.0	27250103

ETIM

ETIM 9.0	EC000901

UNSPSC

UNSPSC 21.0	39121400

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%

Accessories

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

1401695

https://www.phoenixcontact.com/pc/products/1401695



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

NS 15 PERF 2000MM VPE 10 - DIN rail perforated

1401682

https://www.phoenixcontact.com/pc/products/1401682



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

NS 15 AL PERF 2000MM VPE 10 - DIN rail perforated

1401763

https://www.phoenixcontact.com/pc/products/1401763



DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver-colored

NS 15 WH PERF 2000MM-VPE 10 - DIN rail perforated

1204096

https://www.phoenixcontact.com/pc/products/1204096



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

ZBF 4:UNBEDRUCKT - Zack Marker strip, flat

0808587

https://www.phoenixcontact.com/pc/products/0808587



Zack Marker strip, flat, Strip, white, unmarked, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: latching, for terminal block width: 4 mm, Number of individual labels: 10, text field height: 5.2 mm, text field width: 4.2 mm

ZBF 4 CUS - Zack Marker strip, flat

0825023

https://www.phoenixcontact.com/pc/products/0825023



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: 4.2 mm, Number of individual labels: 10, text field height: 5.2 mm, text field width: 4.2 mm

ZBF 4,LGS:FORTL.ZAHLEN - Zack Marker strip, flat

0808626

https://www.phoenixcontact.com/pc/products/0808626

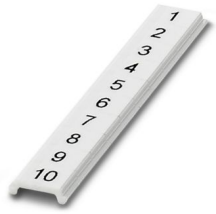


Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: latching, for terminal block width: 4 mm, Number of individual labels: 10, text field height: 5.2 mm, text field width: 4.2 mm

ZBF 4,QR:FORTL.ZAHLEN - Zack Marker strip, flat

0808820

https://www.phoenixcontact.com/pc/products/0808820



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: latching, for terminal block width: 4 mm, Number of individual labels: 10, text field height: 5.2 mm, text field width: 4.2 mm

ZBF 4,LGS:GERADE ZAHLEN - Zack Marker strip, flat

0810818

https://www.phoenixcontact.com/pc/products/0810818



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive even numbers 2 ... 20, 22 ... 40, etc. up to 82 ... 100, mounting type: latching, for terminal block width: 4 mm, Number of individual labels: 10, text field height: 5.15 mm, text field width: 4.15 mm

ZBF 4,LGS:UNGERADE ZAHLEN - Zack Marker strip, flat

0810850

https://www.phoenixcontact.com/pc/products/0810850

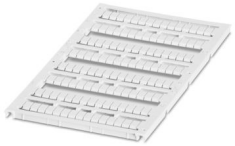


Zack Marker strip, flat, Strip, white, labeled, printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, mounting type: latching, for terminal block width: 4 mm, Number of individual labels: 10, text field height: 5.15 mm, text field width: 4.15 mm

UC-TMF 4 - Marker for terminal blocks

0818166

https://www.phoenixcontact.com/pc/products/0818166

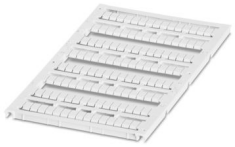


Marker for terminal blocks, Sheet, white, unmarked, can be labeled with: BLUEMARK E.CARD, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: latching, for terminal block width: 4.2 mm, Number of individual labels: 120, text field height: 5.1 mm, text field width: 3.6 mm

UC-TMF 4 CUS - Marker for terminal blocks

0824630

https://www.phoenixcontact.com/pc/products/0824630



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: 4.2 mm, Number of individual labels: 120, text field height: 5.1 mm, text field width: 3.6 mm

UCT-TMF 4 - Marker for terminal blocks

0828742

https://www.phoenixcontact.com/pc/products/0828742



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: 4.2 mm, Number of individual labels: 90, text field height: 4.7 mm, text field width: 3.4 mm

UCT-TMF 4 CUS - Marker for terminal blocks

0829651

https://www.phoenixcontact.com/pc/products/0829651



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: 4.2 mm, Number of individual labels: 90, text field height: 4.7 mm, text field width: 3.4 mm

PAI-4 - Test adapter

3030925

https://www.phoenixcontact.com/pc/products/3030925



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, color: gray

CLIPFIX 15 - End bracket

3022263

https://www.phoenixcontact.com/pc/products/3022263



Snap-on end bracket, to be snapped onto NS 15 DIN rail

SZS 0,4X2,5 VDE - Screwdriver

1205037

https://www.phoenixcontact.com/pc/products/1205037



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

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