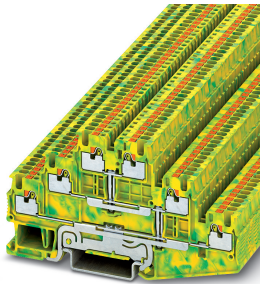**PHŒNIX CONTACT**

Ground modular terminal block - PT 1,5/S-3PE - 3213739

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Ground modular terminal block, nom. voltage: 500 V, nominal current: 15 A, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm², 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 facility in the double function shaft, all terminal blocks provide an additional test connection

☑ The compact design and front connection enable wiring in a confined space

☑ Tested for railway applications

RoHS
COMPLETE line

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	
GTIN	4046356572507
Weight per Piece (excluding packing)	13.800 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Number of rows	3
Number of connections	6
Nominal cross section	1.5 mm²
Color	green-yellow

PHŒNIX CONTACT

Ground modular terminal block - PT 1,5/S-3PE - 3213739

Technical data

General

Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
	Machine building
	Plant engineering
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	0.56 W
Connection in acc. with standard	IEC 60947-7-2
Nominal current I_N	15 A
Maximum load current	15 A
Nominal voltage U_N	500 V
Open side panel	Yes
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Oscillation, broadband noise test result	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	$f_1 = 5$ Hz to $f_2 = 150$ Hz
ASD level	1.857 (m/s²)²/Hz
Acceleration	0.8g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Relative insulation material temperature index (Elec.; UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
Surface flammability NFPA 130 (ASTM E 162)	passed

Ground modular terminal block - PT 1,5/S-3PE - 3213739

Technical data

General

Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

Dimensions

Width	3.5 mm
End cover width	2.2 mm
Length	97.2 mm
Height NS 35/7,5	53.2 mm
Height NS 35/15	60.7 mm

Connection data

Note	Please observe the current carrying capacity of the DIN rails.
Connection method	Push-in connection
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	1.5 mm²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	14
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	1 mm² Using the AI-S 1-8 TQ ferrule, Item No. 1200293, is recommended
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A1 / B1

Ambient conditions

Operating temperature	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Permissible humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C

Environmental Product Compliance

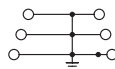# Ground modular terminal block - PT 1,5/S-3PE - 3213739

Technical data

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Circuit diagram

Classifications

eCl@ss

eCl@ss 10.0.1	27141141
eCl@ss 11.0	27141141
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141141
eCl@ss 9.0	27141141

ETIM

ETIM 2.0	EC000901
ETIM 3.0	EC000901
ETIM 4.0	EC000901
ETIM 6.0	EC000901
ETIM 7.0	EC000901

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410

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Ground modular terminal block - PT 1,5/S-3PE - 3213739

Classifications

UNSPSC

UNSPSC 21.0	39121410

Approvals

Approvals

Approvals

CSA / BV / LR / NK / EAC / DNV GL / EAC / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631

mm²/AWG/kcmil	26-14

BV		http://www.veristar.com/portal/veristarinfo/generalinfo/ approved/approvedProducts/equipmentAndMaterials	39980/B0 BV

LR		http://www.lr.org/en	12/20038 (E3)

NK	**ClassNK**	http://www.classnk.or.jp/hp/en/	14ME0912

EAC			RU C-DE.AI30.B.01102

Ground modular terminal block - PT 1,5/S-3PE - 3213739

Approvals

DNV GL		https://approvalfinder.dnvgl.com/	TAE00003JE

EAC			RU C-DE.BL08.B.00644

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425
	B	**C**	**D**
mm²/AWG/kcmil	26-14	26-14	26-14

Accessories

Accessories

DIN rail

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733

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

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681

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

DIN rail perforated - NS 35/ 7,5 WH PERF 2000MM - 1204119

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

Ground modular terminal block - PT 1,5/S-3PE - 3213739

Accessories

DIN rail, unperforated - NS 35/ 7,5 WH UNPERF 2000MM-VPE 10 - 1204122

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

DIN rail, unperforated - NS 35/ 7,5 AL UNPERF 2000MM - 0801704

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

DIN rail perforated - NS 35/ 7,5 ZN PERF 2000MM - 1206421

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

DIN rail, unperforated - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434

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

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - 0801762

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

Ground modular terminal block - PT 1,5/S-3PE - 3213739

Accessories

End cap - NS 35/ 7,5 CAP - 1206560

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

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730

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

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714

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

DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602

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

DIN rail, unperforated - NS 35/15 WH UNPERF 2000MM-VPE 10 - 1204135

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

Ground modular terminal block - PT 1,5/S-3PE - 3213739

Accessories

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756

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

DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599

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

DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586

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

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM-VPE 10 - 1201895

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

End cap - NS 35/15 CAP - 1206573

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

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Ground modular terminal block - PT 1,5/S-3PE - 3213739

Accessories

DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM-VPE 10 - 1201798

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

Documentation

Mounting material - PT-IL - 3208090

Operating decal for the push-in Technology

End block

End clamp - E/UK - 1201442

End clamp, material: PA, color: gray, Mounting on a DIN rail NS 32 or NS 35

End clamp - E/UK 1 - 1201413

End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

End clamp - CLIPFIX 35 - 3022218

Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

PHŒNIX CONTACT

Ground modular terminal block - PT 1,5/S-3PE - 3213739

Accessories

End clamp - CLIPFIX 35-5 - 3022276

Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

End clamp - E/NS 35 N - 0800886

End clamp, width: 9.5 mm, color: gray

End cover

End cover - D-PT 1,5/S-3L - 3113771

End cover, length: 97.2 mm, width: 2.2 mm, height: 45.5 mm, color: gray

End cover - D-PT 1,5/S-3L-0,8 OG - 1029590

End cover, length: 97.2 mm, width: 0.8 mm, height: 45.5 mm, color: orange

Ferrule

Ground modular terminal block - PT 1,5/S-3PE - 3213739

Accessories

Ferrule - AI-S 1 - 8 TQ - 1200293

Ferrule, S-Slimline, sleeve length: 8 mm, length: 14.5 mm, color: turquoise

Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white

Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red

Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue

Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow

Ground modular terminal block - PT 1,5/S-3PE - 3213739

Accessories

Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green

Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, color: gray

Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, color: black

Jumper

Plug-in bridge - FBS 2-3,5 - 3213014

Plug-in bridge, pitch: 3.5 mm, color: red

Plug-in bridge - FBS 3-3,5 - 3213027

Plug-in bridge, pitch: 3.5 mm, color: red

Ground modular terminal block - PT 1,5/S-3PE - 3213739

Accessories

Plug-in bridge - FBS 4-3,5 - 3213030

Plug-in bridge, pitch: 3.5 mm, color: red

Plug-in bridge - FBS 5-3,5 - 3213043

Plug-in bridge, pitch: 3.5 mm, color: red

Plug-in bridge - FBS 10-3,5 - 3213056

Plug-in bridge, pitch: 3.5 mm, color: red

Plug-in bridge - FBS 20-3,5 - 3213069

Plug-in bridge, pitch: 3.5 mm, color: red

Plug-in bridge - FBS 2-3,5 BU - 3213086

Plug-in bridge, pitch: 3.5 mm, color: blue

Ground modular terminal block - PT 1,5/S-3PE - 3213739

Accessories

Plug-in bridge - FBS 3-3,5 BU - 3213099

Plug-in bridge, pitch: 3.5 mm, color: blue

Plug-in bridge - FBS 4-3,5 BU - 3213109

Plug-in bridge, pitch: 3.5 mm, color: blue

Plug-in bridge - FBS 5-3,5 BU - 3213112

Plug-in bridge, pitch: 3.5 mm, color: blue

Plug-in bridge - FBS 10-3,5 BU - 3213125

Plug-in bridge, pitch: 3.5 mm, color: blue

Plug-in bridge - FBS 20-3,5 BU - 3213138

Plug-in bridge, pitch: 3.5 mm, color: blue

Ground modular terminal block - PT 1,5/S-3PE - 3213739

Accessories

Plug-in bridge - FBS 2-3,5 GY - 3213153

Plug-in bridge, pitch: 3.5 mm, color: gray

Plug-in bridge - FBS 3-3,5 GY - 3213167

Plug-in bridge, pitch: 3.5 mm, color: gray

Plug-in bridge - FBS 4-3,5 GY - 3213180

Plug-in bridge, pitch: 3.5 mm, color: gray

Plug-in bridge - FBS 5-3,5 GY - 3213183

Plug-in bridge, pitch: 3.5 mm, color: gray

Plug-in bridge - FBS 10-3,5 GY - 3213196

Plug-in bridge, pitch: 3.5 mm, color: gray

PHŒNIX CONTACT

Ground modular terminal block - PT 1,5/S-3PE - 3213739

Accessories

Plug-in bridge - FBS 20-3,5 GY - 3213206

Plug-in bridge, pitch: 3.5 mm, color: gray

Labeled terminal marker

Zack Marker strip, flat - ZBF 3,5 CUS - 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, lettering field size: 3.5 x 5.2 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 3,5,LGS:FORTL.ZAHLEN - 0801406

Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 5.15 x 3.5 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 3,5,QR:FORTL.ZAHLEN - 0801407

Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 5.15 x 3.5 mm, Number of individual labels: 10

Marker for terminal blocks - UCT-TMF 3,5 CUS - 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, lettering field size: 2.7 x 4.7 mm, Number of individual labels: 108

PHŒNIX CONTACT

Ground modular terminal block - PT 1,5/S-3PE - 3213739

Accessories

Marker carriers

Marker carriers - STP 3,5-3 - 0830132

Three-compartment marker carrier, can be snapped into the PT 1,5/S-3L push-in three-level terminal block, can be labeled with ZB 3,5 or ZBF 3,5

Partition plate

Spacer plate - DP PS-3,5 - 3031011

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

Planning and marking software

Software - PROJECT COMPLETE - 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

Screwdriver tools

Screwdriver - SZF 0-0,4X2,5 - 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

PHŒNIX CONTACT

Ground modular terminal block - PT 1,5/S-3PE - 3213739

Accessories

Actuation tool - ST-BW 0 - 1200135

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

Terminal marking

Zack Marker strip, flat - ZBF 3,5:UNBEDRUCKT - 0829392

Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap in, for terminal block width: 3.5 mm, lettering field size: 3.5 x 5.2 mm, Number of individual labels: 10

Marker for terminal blocks - UCT-TMF 3,5 - 0829486

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap in, for terminal block width: 3.5 mm, lettering field size: 2.7 x 4.7 mm, Number of individual labels: 108

Test plug terminal block

Test plugs - MPS-MT - 0201744

Test plugs, with solder connection up to 1 mm² conductor cross section, color: gray

Test plugs - PS-3,5 - 3031010

Test plugs, Modular test plug, color: red

Ground modular terminal block - PT 1,5/S-3PE - 3213739

Accessories

Test plugs - PS-3,5/E - 3031012

Test plugs, Individual test plug, color: red