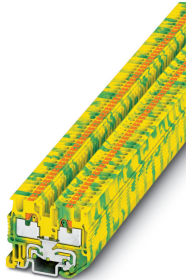


## Mini ground terminal block - MPT 1,5/S-PE - 3248110

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Mini ground terminal block, number of connections: 2, connection method: Push-in connection, 1 level, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 15, color: green-yellow

### Your advantages

- ✓ Space saving thanks to compact design and mounting option on a 15 mm DIN rail
- ✓ Clear arrangement thanks to marking of all terminal points
- ✓ Tested for railway applications



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 046356 768672
GTIN	4046356768672
Weight per Piece (excluding packing)	3.600 g
Custom tariff number	85369010
Country of origin	Poland

### Technical data

#### General

Number of rows	1
Number of connections	2
Nominal cross section	1.5 mm <sup>2</sup>
Color	green-yellow
Insulating material	PA

# Mini ground terminal block - MPT 1,5/S-PE - 3248110

## Technical data

### General

Flammability rating according to UL 94	V0
Area of application	Railway industry
	Machine building
	Plant engineering
Mounting type	NS 15
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
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 2, bogie-mounted
Test frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	6.12 (m/s <sup>2</sup> ) <sup>2</sup> /Hz
Acceleration	3.12g
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	30g
Shock duration	18 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
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3

# Mini ground terminal block - MPT 1,5/S-PE - 3248110

## Technical data

### General

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	33.55 mm
Height NS 15	28.1 mm

### Connection data

Note	Please observe the current carrying capacity of the DIN rails.
Connection	1 level
Connection method	Push-in connection
Stripping length	8 mm ... 10 mm
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	14
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	1 mm <sup>2</sup>
Connection cross sections directly pluggable	0.25 mm <sup>2</sup> 1.5 mm <sup>2</sup>
Conductor cross section solid min.	0.25 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.34 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.34 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	1 mm <sup>2</sup>
Internal cylindrical gage	A1 / B1

### Ambient conditions

Operating temperature	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
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# Mini ground terminal block - MPT 1,5/S-PE - 3248110

## Technical data

### Ambient conditions

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

### Standards and Regulations

Connection in acc. with standard	IEC 60947-7-2
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### 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 3.0	EC001329
ETIM 4.0	EC000901
ETIM 6.0	EC000901
ETIM 7.0	EC000901

### UNSPSC

UNSPSC 6.01	30211811
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# Mini ground terminal block - MPT 1,5/S-PE - 3248110

## Classifications

### UNSPSC

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
UNSPSC 21.0	39121410

## Approvals

### Approvals


#### Approvals

CSA / BV / LR / IECEE CB Scheme / EAC / DNV GL / VDE Zeichengenehmigung / cULus Recognized

#### Ex Approvals

IECEEx / NEPSI / ATEX / CCC

### Approval details

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
mm <sup>2</sup> /AWG/kcmil		26-14	

BV		<a href="http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials">http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials</a>	38194/B0 BV
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LR		<a href="http://www.lr.org/en">http://www.lr.org/en</a>	LR2004293TA
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# Mini ground terminal block - MPT 1,5/S-PE - 3248110

## Approvals

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-62897
mm <sup>2</sup> /AWG/kcmil		0.14-1.5	

EAC			RU C- DE.BL08.B.00644
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DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAE00003J4
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VDE Zeichengenehmigung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40040313
mm <sup>2</sup> /AWG/kcmil		0.14-1.5	

cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425
	B	C	D
mm <sup>2</sup> /AWG/kcmil	26-14	26-14	26-14

## Accessories

### Accessories

#### DIN rail

DIN rail, unperforated - NS 15 UNPERF 2000MM VPE 10 - 1401695



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

## Mini ground terminal block - MPT 1,5/S-PE - 3248110

### Accessories

DIN rail perforated - NS 15 PERF 2000MM VPE 10 - 1401682



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

DIN rail perforated - NS 15 AL PERF 2000MM VPE 10 - 1401763



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

DIN rail perforated - NS 15 WH PERF 2000MM-VPE 10 - 1204096



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

### End block

End clamp - CLIPFIX 15 - 3022263



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

### End cover

End cover - D-MPT 1,5/S - 3248120



End cover, length: 33.6 mm, width: 2.2 mm, height: 22.3 mm, color: gray

## Mini ground terminal block - MPT 1,5/S-PE - 3248110

### Accessories

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#### Ferrule

Ferrule - AI-S 1 - 8 TQ - 1200293



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

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#### 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



## Mini ground terminal block - MPT 1,5/S-PE - 3248110

### Accessories

Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow



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



### 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

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## Mini ground terminal block - MPT 1,5/S-PE - 3248110

### Accessories

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

### Partition plate

Partition plate - ATP-MBK - 1413227



Partition plate, length: 42.5 mm, width: 2.5 mm, height: 30.5 mm, color: gray

### 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

## Mini ground terminal block - MPT 1,5/S-PE - 3248110

### Accessories

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#### 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

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Actuation tool - ST-BW 0 - 1200135



Actuation tool, for all 1.5 mm<sup>2</sup> spring cages from PT 1,5/S and FT 1,5/S

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#### 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

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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

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#### Test plug terminal block

## Mini ground terminal block - MPT 1,5/S-PE - 3248110

### Accessories

Accessories - MPS-MT 1-S4-B RD - 1982800



Accessories

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Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, color: gray