

# Ground modular terminal block - PTPOWER 95-PE



3260106

<https://www.phoenixcontact.com/de/produkte/3260106>

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Ground modular terminal block, number of connections: 2, number of positions: 1, connection method: PowerTurn connection, 1 level, Rated cross section: 95 mm<sup>2</sup>, cross section: 25 mm<sup>2</sup> - 95 mm<sup>2</sup>, mounting type: 2.3 mm copper DIN rail, color: green-yellow

## Your advantages

- Quick and easy connection is now also possible for large conductors with the high-current terminal block
- The compact design enables wiring in a confined space
- 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 using the existing test connection, pick-off terminal blocks can be connected, each of which can also accommodate two test cables
- Tested for railway applications

## Commercial Data

Item number	3260106
Packing unit	3 pc
Minimum order quantity	3 pc
Sales Key	A1 - Reihenklennen
Product Key	BE2221
Catalog Page	Page 139 (C-1-2019)
GTIN	4046356778749
Weight per Piece (including packing)	314 g
Weight per Piece (excluding packing)	302 g
Customs tariff number	85369010
Country of origin	PL

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## Technical Data

### Product properties

Product type	Ground terminal block
Number of positions	1
Area of application	Railway industry
	Machine building
	Plant engineering
Number of connections	2
Number of rows	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	7.54 W

### Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	95 mm <sup>2</sup>

#### 1 level

Note	May only be mounted on 2.3 mm copper DIN rails
Stripping length	40 mm
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section solid	25 mm <sup>2</sup> ... 95 mm <sup>2</sup>
Cross section AWG	4 ... 4/0 (converted acc. to IEC)
Conductor cross section flexible	25 mm <sup>2</sup> ... 95 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	4 ... 4/0 (converted acc. to IEC)
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	25 mm <sup>2</sup> ... 95 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	25 mm <sup>2</sup> ... 95 mm <sup>2</sup>
Cross-section with insertion bridge, rigid	95 mm <sup>2</sup>
Cross-section with insertion bridge, flexible	70 mm <sup>2</sup>
Nominal cross section	95 mm <sup>2</sup>

#### 1 level Connection cross sections directly pluggable

Conductor cross section solid	25 mm <sup>2</sup> ... 95 mm <sup>2</sup>
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	25 mm <sup>2</sup> ... 95 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	25 mm <sup>2</sup> ... 95 mm <sup>2</sup>

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## Ex data

### Rated data (ATEX/IECEx)

Identification	□ II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	1206612 SZF 3-1,0X5,5 1201662 E/AL-NS 35
output	(Permanent)

### Ex connection data General

Ferrule length	40 mm
Stripping length	40 mm
Nominal cross section	95 mm <sup>2</sup>
Rated cross section AWG	4/0
Connection capacity rigid	25 mm <sup>2</sup> ... 95 mm <sup>2</sup>
Connection capacity AWG	4 ... 4/0
Conductor cross section flexible, with ferrule without plastic sleeve min.	25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	95 mm <sup>2</sup>
Single conductor/terminal point, flexible, with ferrule, without plastic sleeve, AWG	4 ... 4/0

## Dimensions

Width	25 mm
Height NS 35/15	108.7 mm
Length	105.5 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))	125 °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)	27,5 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
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## Environmental and real-life conditions

### Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	6.12 (m/s <sup>2</sup> )/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 ... 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)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
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	2.3 mm copper DIN rail
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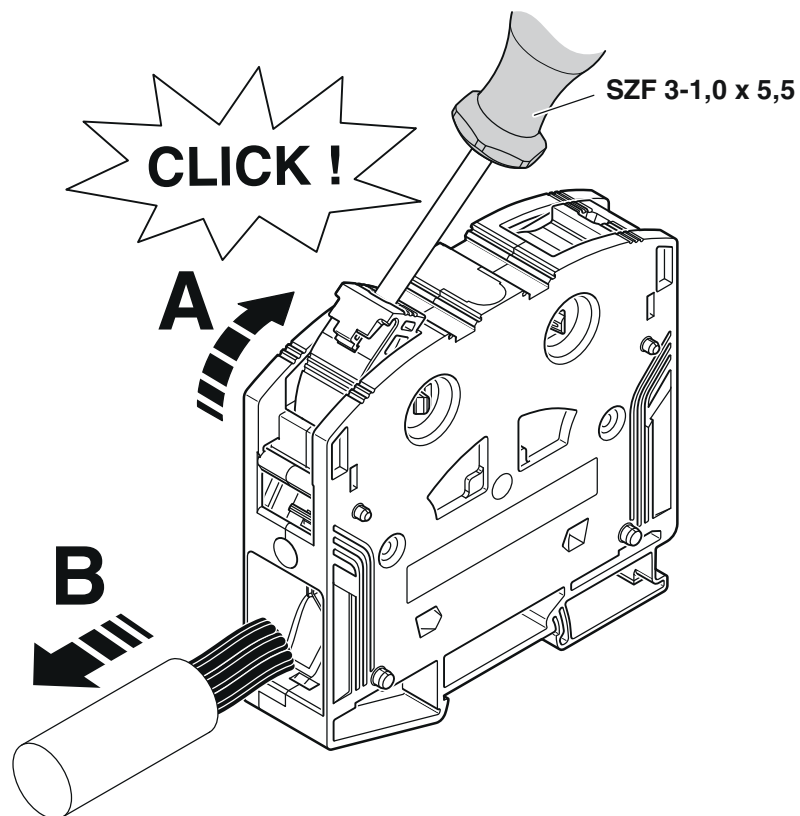
## Drawings

Schematic diagram

### PTPOWER



AGK 10-PTPOWER	0,5 mm <sup>2</sup> ... 16 mm <sup>2</sup>	18 mm
PTPOWER 35	2,5 mm <sup>2</sup> ... 35 mm <sup>2</sup>	25 mm
PTPOWER 50	10 mm <sup>2</sup> ... 50 mm <sup>2</sup>	32 mm
PTPOWER 95	25 mm <sup>2</sup> ... 95 mm <sup>2</sup>	40 mm
PTPOWER 185	95 mm <sup>2</sup> ... 185 mm <sup>2</sup>	40 mm



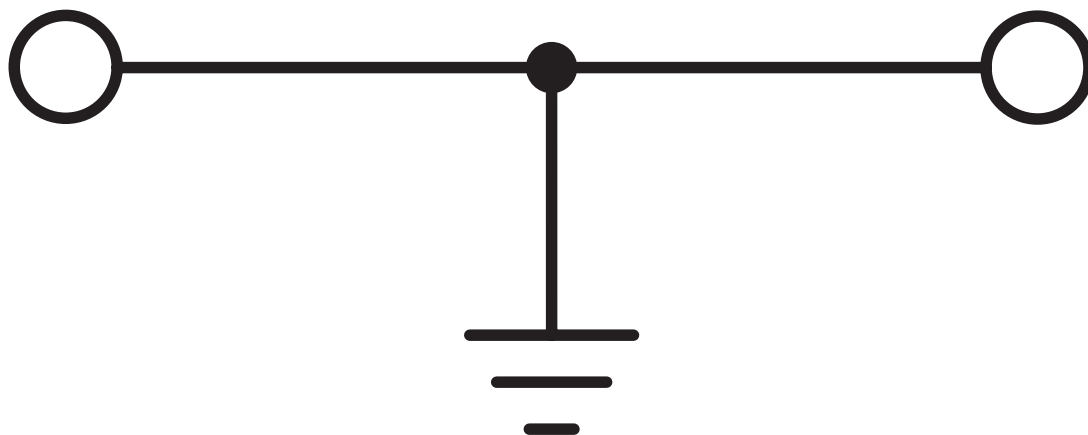
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Circuit diagram




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## Approvals


 <b>CSA</b> Approval ID: 13631				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $mm^2$
Use group B			4 - 4/0	-
Use group C			4 - 4/0	-

 <b>EAC</b> Approval ID: RU C-DE.AI30.B.01102				
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 <b>EAC</b> Approval ID: RU C-DE.BL08.B.00644				
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<b>DNV</b> Approval ID: TAE00000Z9				
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 <b>cUL Recognized</b> Approval ID: E60425				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $mm^2$
Use group C			4 - 4/0	-

 <b>UL Recognized</b> Approval ID: E60425				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $mm^2$
Use group E			4 - 4/0	-

 <b>EAC Ex</b> Approval ID: RU C-DE.HA91.B.00066				
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 <b>CCC</b> Approval ID: 2020322313000630				
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 <b>NEPSI</b> Approval ID: GYJ20.1205U				
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**UKCA-EX**

Approval ID: CML 22UKEX1227U



**IECEx**

Approval ID: IECExSEV14.0013U

Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
		-	25 - 95



**ATEX**

Approval ID: SEV14ATEX0156U

Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
		-	25 - 95

**cULus Recognized**

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## Classifications

### ECLASS

ECLASS-9.0	27141141
ECLASS-10.0.1	27141141
ECLASS-11.0	27141141

### ETIM

ETIM 8.0	EC000901
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental Product Compliance

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