

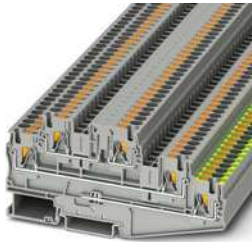
Ground modular terminal block - PT 4-PE/L/L



3002613

<https://www.phoenixcontact.com/de/produkte/3002613>

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Ground modular terminal block, nom. voltage: 500 V, nominal current: 30 A, number of connections: 5, connection method: Push-in connection, Rated cross section: 4 mm², cross section: 0.2 mm² - 6 mm², connection method: Push-in connection, Rated cross section: 4 mm², cross section: 0.2 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Your advantages

- Easy and tool-free direct plug-in thanks to push-in multi-conductor connection

Commercial Data

Item number	3002613
Packing unit	50 pc
Minimum order quantity	50 pc
Sales Key	A1 - Reihenklennen
Product Key	BE2225
Catalog Page	Page 100 (C-1-2019)
GTIN	4055626370262
Weight per Piece (including packing)	29,734 g
Weight per Piece (excluding packing)	29,734 g
Customs tariff number	85369010
Country of origin	CN

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Technical Data

Product properties

Product type	Ground terminal block
Number of connections	5
Number of rows	3

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	4 mm ²

Level 1

Stripping length	10 mm ... 12 mm
Internal cylindrical gage	A4
Conductor cross section solid	0.2 mm ² ... 6 mm ²
Cross section AWG	24 ... 10
Conductor cross section flexible	0.2 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	24 ... 10
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.25 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 4 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1 mm ²
Nominal current	30 A
Maximum load current	32 A (with 6 mm ² conductor cross section, rigid)
Nominal voltage	500 V
Nominal cross section	4 mm ²

Level 2

Stripping length	10 mm ... 12 mm
Conductor cross section solid	0.2 mm ² ... 6 mm ²
Cross section AWG	24 ... 10
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	24 ... 10
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.25 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 4 mm ²

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Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.5 mm ² ... 1 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1 mm ²
Nominal current	20 A
Maximum load current	20 A
Nominal voltage	500 V
Nominal cross section	4 mm ²

Level 1 Connection cross sections directly pluggable

Conductor cross section solid	0.5 mm ² ... 6 mm ²
Conductor cross section, solid [AWG]	20 ... 10
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.5 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 4 mm ²

Level 2 Connection cross sections directly pluggable

Conductor cross section solid	0.5 mm ² ... 6 mm ²
Conductor cross section, solid [AWG]	20 ... 10
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.5 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 4 mm ²

Ex data

Rated data (ATEX/IECEx)

ATEX certificate	KIWA 17 ATEX 0045 U
IEC Ex certificate	IECEx KIWA 17.0025 U
Identification	□ II 3 G Ex ec IIC Gc
Operating temperature range	-60 °C ... 125 °C
Ex-certified accessories	3002619 D-PT 4-PE/L/HESI 1205066 SZS 1,0X4,0 VDE 3022276 CLIPFIX 35-5 3022218 CLIPFIX 35
Bridge data	19 A / 4 mm ²
Rated voltage	275 V
for bridging with bridge	275 V
- At bridging between non-adjacent terminal blocks	275 V
- At cut-to-length bridging with cover	275 V
Rated insulation voltage	250 V

Ex connection data General

Nominal cross section	4 mm ²
Rated cross section AWG	12
Connection capacity rigid	0.2 mm ² ... 6 mm ²
Connection capacity AWG	24 ... 10
Connection capacity flexible	0.2 mm ² ... 4 mm ²

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Connection capacity AWG	24 ... 12
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Ex level Level 2

Rated current	29 A (4 mm ²)
Maximum load current	32 A (6 mm ²)
Contact resistance	0.9 mΩ
Temperature increase	40 K (29 A / 4 mm ²)

Ex level Level 3

Rated current	20 A (4 mm ²)
Maximum load current	20 A (6 mm ²)
Contact resistance	1.7 mΩ
Temperature increase	35 K (20 A / 4 mm ²)

Dimensions

Width	6.2 mm
Height	54.5 mm
Height NS 35/15	63.5 mm
Height NS 35/7,5	56 mm
Length	119.5 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V2
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	Yes
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Environmental and real-life conditions

Oscillation/broadband noise

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Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 1, class B, body mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	$0.964 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	0.58g
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	5g
Shock duration	30 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 60947-7-3
	IEC 60947-7-3
	IEC 60947-7-3
	IEC 60947-7-3

Mounting

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

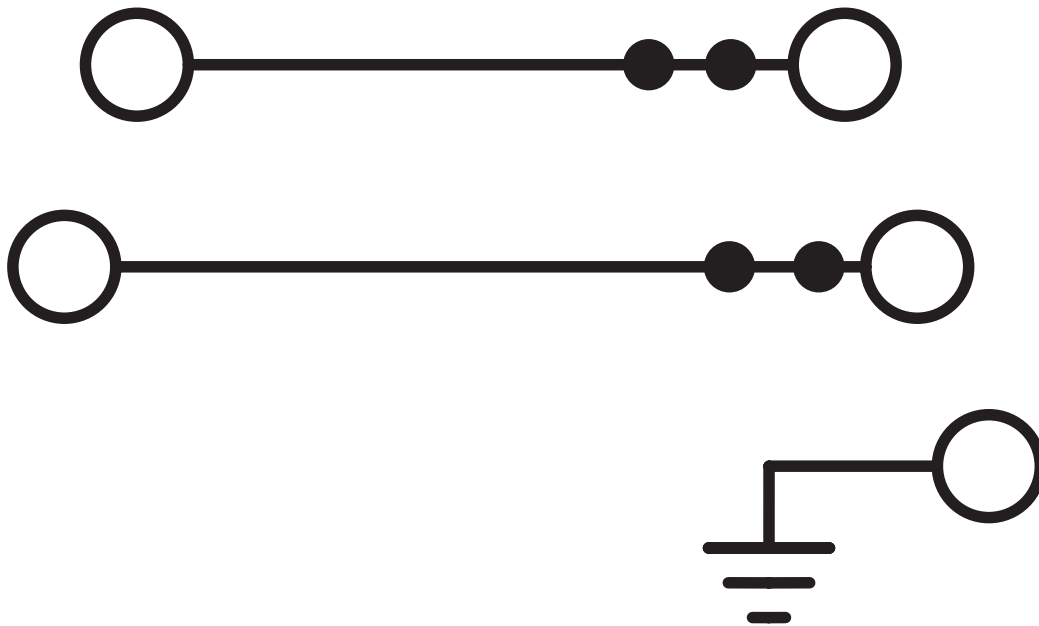
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Drawings

Circuit diagram




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Approvals

 CSA Approval ID: 13631				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B				
upper level	300 V	16 A	24 - 10	-
lower level	300 V	20 A	24 - 10	-
Use group C				
upper level	300 V	16 A	24 - 10	-
lower level	300 V	20 A	24 - 10	-
Use group D				
	600 V	5 A	24 - 10	-

 EAC Approval ID: RU C-DE.AI30.B.01102				
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 EAC Approval ID: RU C-DE.BL08.B.00644				
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 cULus Recognized Approval ID: E60425				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B				
upper level	300 V	16 A	24 - 10	-
lower level	300 V		24 - 10	-
middle level	300 V	20 A	24 - 10	-
Use group C				
upper level	300 V	16 A	24 - 10	-
lower level	300 V		24 - 10	-
middle level	300 V	20 A	24 - 10	-
Use group D				
	600 V	5 A	24 - 10	-

 cUL Recognized Approval ID: E192998				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
upper level	275 V	16 A	24 - 10	24 - 10
lower level	275 V	20 A	24 - 10	24 - 10

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IECEx

Approval ID: IECExKIWA17.0025U



UL Recognized

Approval ID: FILE E 192998

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
upper level	275 V	16 A	24 - 10	-
lower level	275 V	20 A	24 - 10	-



CCC

Approval ID: 2020322313000626



NEPSI

Approval ID: GYJ20.1204U



ATEX

Approval ID: KIWA17ATEX0045U



UKCA-EX

Approval ID: CSAE 21UKEX3605U

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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