

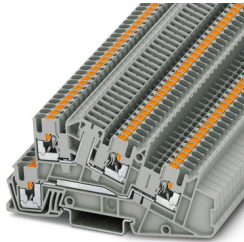
Installation level terminal block - PTI 2,5-L/TG



3213961

<https://www.phoenixcontact.com/gb/products/3213961>

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Installation level terminal block, nom. voltage: 400 V, nominal current: 24 A, Push-in connection, Rated cross section: 4 mm², cross section: 0.14 mm² - 4 mm², Push-in connection, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Your advantages

- The terminal blocks with knife disconnect zone in the upper level meet the safety requirement regarding individual circuit isolation of DIN VDE 0100-718

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Commercial Data

Item number	3213961
Packing unit	50 pc
Minimum order quantity	50 pc
Sales Key	BE2253
Product Key	BE2253
Catalog Page	Page 77 (C-1-2019)
GTIN	4046356609531
Weight per Piece (including packing)	15.643 g
Weight per Piece (excluding packing)	15.643 g
Customs tariff number	85369010
Country of origin	DE

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Technical Data

Product properties

Product type	Installation terminal block
Number of connections	4
Number of rows	3
Potentials	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	4 kV
	6 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Number of connections per level	2
Nominal cross section	4 mm ²

Level 1

Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3
Conductor cross section solid	0.14 mm ² ... 4 mm ²
Cross section AWG	26 ... 12
Conductor cross section flexible	0.14 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	26 ... 12
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.14 mm ² ... 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 2.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ²
Nominal current	24 A (with 4 mm ² conductor cross section)
Maximum load current	30 A (with 4 mm ² conductor cross section and 3-pos. terminal block)
Nominal voltage	400 V (phase conductor/phase conductor)
	250 V (phase conductor/PE)
	phase conductor/N
Nominal cross section	4 mm ²

Level 2

Stripping length	8 mm ... 10 mm
Conductor cross section solid	0.14 mm ² ... 4 mm ²
Cross section AWG	26 ... 12
Conductor cross section flexible	0.14 mm ² ... 4 mm ²

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Conductor cross section, flexible [AWG]	26 ... 12
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.14 mm ² ... 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 2.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ²
Nominal current	16 A
Maximum load current	16 A (with 4 mm ² conductor cross section)
Nominal voltage	250 V
Nominal cross section	1.5 mm ²

Level 1 Connection cross sections directly pluggable

Conductor cross section solid	0.34 mm ² ... 4 mm ²
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.34 mm ² ... 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm ² ... 2.5 mm ²

Level 2 Connection cross sections directly pluggable

Conductor cross section solid	0.34 mm ² ... 4 mm ²
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.34 mm ² ... 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm ² ... 2.5 mm ²

Dimensions

Width	5.2 mm
End cover width	2.2 mm
Height NS 35/15	58 mm
Height NS 35/7,5	50.5 mm
Length	101 mm

Material specifications

Color	gray
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

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Smoke gas toxicity NFPA 130 (SMP 800C)	passed
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Mechanical properties

Mechanical data

Open side panel	Yes
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Environmental and real-life conditions

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
Permissible humidity (storage/transport)	30 % ... 70 %

Mounting

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

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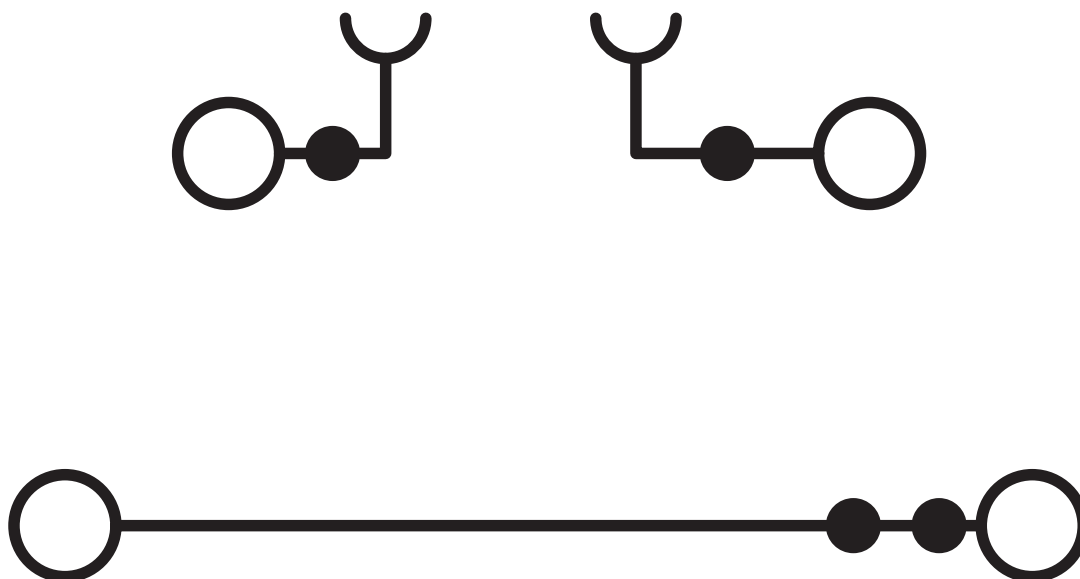


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Drawings

Circuit diagram



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Approvals

DNV Approval ID: TAE0001BU				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

CSA Approval ID: 13631				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B	300 V	20 A	26 - 12	-
Use group C	150 V	20 A	26 - 12	-
Use group D	300 V	10 A	26 - 12	-

CB IECEE CB Scheme Approval ID: DE1-62955				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	400 V		-	0.2 - 4

EAC Approval ID: RU C-DE.AI30.B.01102				
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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	300 V	20 A	26 - 12	-
Use group C	150 V	20 A	26 - 12	-
Use group D	300 V	10 A	26 - 12	-

LR Approval ID: LR2002908TA				
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EAC Approval ID: RU C-DE.BL08.B.00644				
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<https://www.phoenixcontact.com/gb/products/3213961>**VDE Zeichengenehmigung**

Approval ID: 40037480

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	400 V		-	0.2 - 4

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Classifications

ECLASS

ECLASS-9.0	27141125
ECLASS-10.0.1	27141125
ECLASS-11.0	27141125

ETIM

ETIM 8.0	EC001329
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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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