

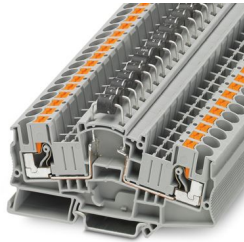
PTME 6-DIO P1000Y/L-R HV - Component terminal block



3035684

<https://www.phoenixcontact.com/us/products/3035684>

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Component terminal block, If several diode terminal blocks need adding to the DIN rail, a spacer plate must be placed between them., with integrated P1000Y diode, nominal current: 5 A, connection method: Push-in connection, 1 level, Rated cross section: 6 mm², cross section: 0.5 mm² - 10 mm², color: gray

Commercial data

Item number	3035684
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE22
Product key	BE2272
GTIN	4046356998253
Weight per piece (including packing)	26.25 g
Weight per piece (excluding packing)	26.25 g
Customs tariff number	85369010
Country of origin	PL

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Technical data

Notes

General	If several diode terminal blocks need adding to the DIN rail, a spacer plate must be placed between them.
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Product properties

Product type	Component terminal block
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
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Connection data

Number of connections per level	2
Nominal cross section	6 mm ²

1 level

Connection method	Push-in connection
Stripping length	12 mm
Internal cylindrical gage	A5
Conductor cross-section rigid	0.5 mm ² ... 10 mm ²
Cross section AWG	20 ... 8 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm ² ... 6 mm ²
Conductor cross-section, flexible [AWG]	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 6 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm ² ... 6 mm ²
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.5 mm ² ... 1.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1.5 mm ²
Nominal cross section	6 mm ²
Nominal current	5 A
Maximum load current	5 A (with 6 mm ² conductor connection)

1 level Connection cross sections directly pluggable

Conductor cross-section rigid	1 mm ² ... 10 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	1 mm ² ... 6 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	1 mm ² ... 6 mm ²

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Dimensions

Width	8.2 mm
End cover width	2.2 mm
Height	60.1 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
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Electrical tests

Surge voltage test

Test voltage setpoint	9.8 kV
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	2.2 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	Yes
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Mechanical tests

Mechanical strength

Result	Test passed
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Attachment on the carrier

DIN rail/fixing support	NS 35
Test force setpoint	5 N

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Result	Test passed
Test for conductor damage and slackening	
Conductor cross-section/weight	0.5 mm ² / 0.3 kg
	6 mm ² / 1.4 kg
	10 mm ² / 2 kg
Result	Test passed

Environmental and real-life conditions

Aging

Temperature cycles	192
Result	Test passed

Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Long life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	6.12 (m/s ²) ² /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

Mounting

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

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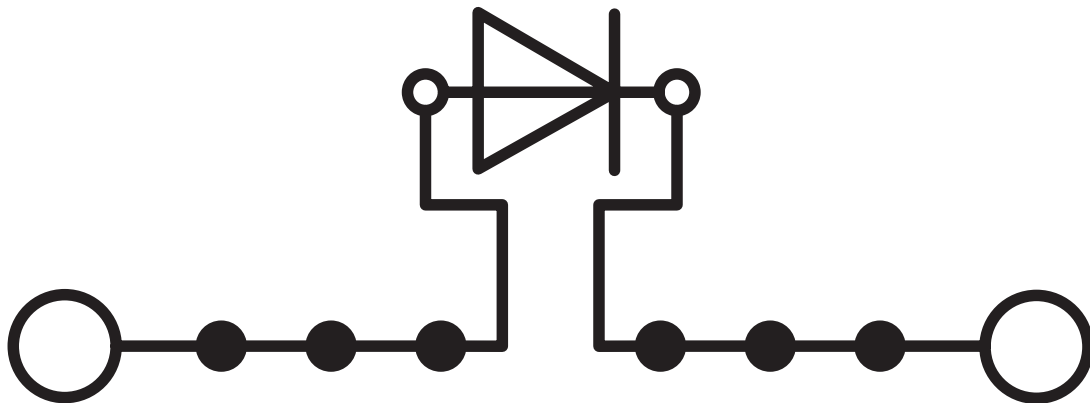


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Drawings

Circuit diagram



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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	No substance above 0.1 wt%
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