

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



3035697

<https://www.phoenixcontact.com/gb/products/3035697>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Component terminal block, If several diode terminal blocks need adding to the DIN rail, a spacer plate must be placed between them., with integrated P1000M diode, nom. voltage: 1000 V, 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	3035697
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE2272
Product key	BE2272
GTIN	4046356644853
Weight per piece (including packing)	26.7 g
Weight per piece (excluding packing)	25.592 g
Customs tariff number	85369010
Country of origin	PL

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



3035697

<https://www.phoenixcontact.com/gb/products/3035697>

Technical data

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	8 kV
Maximum power dissipation for nominal condition	1.31 W

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 10 mm ² conductor cross-section)
Nominal voltage	1000 V

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

Dimensions

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



3035697

<https://www.phoenixcontact.com/gb/products/3035697>

Width	8.2 mm
End cover width	2.2 mm
Height	100.8 mm
Depth	60.1 mm
Depth on NS 35/7,5	60 mm
Depth on NS 35/15	67.5 mm

Material specifications

Color	gray (RAL 7042)
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
-----------------	-----

Mechanical tests

Mechanical strength

Result	Test passed
--------	-------------

Attachment on the carrier

DIN rail/fixing support	NS 35
-------------------------	-------

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



3035697

<https://www.phoenixcontact.com/gb/products/3035697>

Test force setpoint	5 N
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

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see 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 (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

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



3035697

<https://www.phoenixcontact.com/gb/products/3035697>

Mounting

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

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

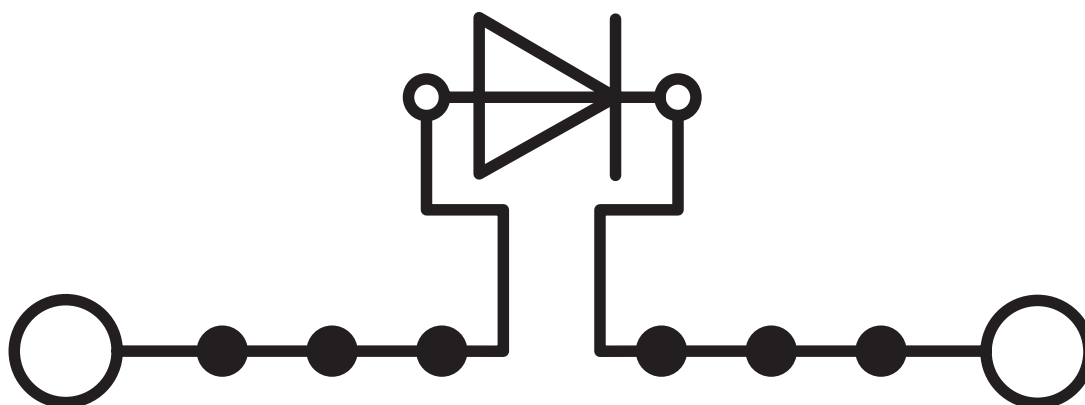


3035697

<https://www.phoenixcontact.com/gb/products/3035697>

Drawings

Circuit diagram



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




3035697


<https://www.phoenixcontact.com/gb/products/3035697>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/3035697>

 CSA Approval ID: 158887				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B	600 V	10 A	20 - 8	-
C	600 V	10 A	20 - 8	-

 EAC Approval ID: RU C-DE.BL08.B.00644				
---	--	--	--	--

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B	600 V	10 A	20 - 8	-
C	600 V	10 A	20 - 8	-

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



3035697

<https://www.phoenixcontact.com/gb/products/3035697>

Classifications

ECLASS

ECLASS-13.0	27250114
ECLASS-15.0	27250114

ETIM

ETIM 10.0	EC000898
-----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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



3035697

<https://www.phoenixcontact.com/gb/products/3035697>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	21c157f5-f716-4fc6-a193-65b51ddf6ee6

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk