3071049

https://www.phoenixcontact.com/gb/products/3071049

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.



Device terminal block, nom. voltage: 1000 V, nominal current: 57 A, number of connections: 4, number of positions: 2, connection method: Screw connection, Rated cross section: 10 mm², cross section: 0.5 mm² - 16 mm², mounting type: direct screw connection, color: gray

Your advantages

- · Touch-proof shock protection
- Mounting with two screws per block

Commercial data

Item number	3071049
Packing unit	25 pc
Minimum order quantity	25 pc
Note	Made to order (non-returnable)
Sales key	BE1265
Product key	BE1265
Catalog page	Page 560 (C-1-2017)
GTIN	4046356483773
Weight per piece (including packing)	45.068 g
Weight per piece (excluding packing)	44.86 g
Customs tariff number	85369010
Country of origin	PL

3071049

https://www.phoenixcontact.com/gb/products/3071049



Technical data

Product type	Feed-through terminal block
Number of positions	2
Number of connections	4
Number of rows	1
Potentials	2
ulation characteristics	
Overvoltage category	III
Degree of pollution	3
trical properties	
Rated surge voltage	8 kV
nection data	
Number of connections per level	4
Nominal cross section	10 mm²
vel 1 above 1 below 1	
Screw thread	M4
Note	Terminal point
Tightening torque	1.5 1.8 Nm
Stripping length	10 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.5 mm² 16 mm²
Cross section AWG	20 6 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm² 10 mm²
Conductor cross section, flexible [AWG]	20 8 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² 10 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² 6 mm²
2 conductors with same cross section, solid	0.5 mm² 4 mm²
2 conductors with same cross section, flexible	0.5 mm² 4 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm² 2.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 6 mm²
Nominal current	57 A
Maximum load current	76 A (with 16 mm ² conductor cross section)
Nominal voltage	1000 V

Dimensions

Width 24.8 r	nm
--------------	----

3071049

https://www.phoenixcontact.com/gb/products/3071049

Height	40 mm
Naterial specifications	
•	
Color	gray
Flammability rating according to UL 94	V2
Insulating material group	1
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

Electrical tests

Surge voltage test

Test voltage setpoint	9.8 kV
Result	Test passed
Temperature-rise test	
Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 10 mm ²	1.2 kA
Short-time withstand current 16 mm ²	1.92 kA
Result	Test passed
Power-frequency withstand voltage	
Test voltage setpoint	2.2 kV
Result	Test passed
echanical properties	
Mechanical data	
Open side panel	No

Test passed

Mechanical tests

Mechanical strength

Test for conductor damage and slackening

3071049

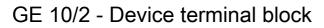
https://www.phoenixcontact.com/gb/products/3071049

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.5 mm² / 0.3 kg
	10 mm² / 2 kg
	16 mm² / 2.9 kg
Result	Test passed

Environmental and real-life conditions

Needle-flame test		
	Time of exposure	30 s
	Result	Test passed
Standards and regulations		
	Connection in acc. with standard	IEC 60947-7-1
Mounting		
	Mounting type	direct screw connection

PHŒNIX CONTACT



3071049 https://www.phoenixcontact.com/gb/products/3071049

Drawings

Circuit diagram



PHŒNIX CONTACT

3071049

https://www.phoenixcontact.com/gb/products/3071049



Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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.)	No substance above 0.1 wt%

Phoenix Contact 2024 © - all rights reserved https://www.phoenixcontact.com

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