

https://www.phoenixcontact.com/sg/products/3073827



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Installation terminal block, nom. voltage: 400 V, nominal current: 76 A, Screw connection, 1st level connection right, Rated cross section: 16 mm^2 , cross section: 6 mm^2 - 25 mm^2 , mounting type: NS 35/7,5, NS 35/15, color: gray

Your advantages

- The asymmetrical arrangement of the terminal blocks on the DIN rail enables the neutral busbar to be routed past the terminal blocks
- · The installation terminal block features a particularly low-profile design and is suitable for wiring in flat installation distributors

Commercial data

Item number	3073827
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Sales key	****
Product key	BE1151
Catalog page	Page 185 (C-1-2019)
GTIN	4046356347242
Weight per piece (including packing)	27.2 g
Weight per piece (excluding packing)	25.718 g
Customs tariff number	85369010
Country of origin	CN



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Technical data

Product properties

Product type	Installation 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
Maximum power dissipation for nominal condition	2.43 W

Connection data

Number of connections per level	2
Nominal cross section	16 mm²

1st level connection right

13t level connection right	
Screw thread	M5
Tightening torque	2.5 3 Nm
Stripping length	12 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	6 mm² 25 mm²
Cross section AWG	8 4 (converted acc. to IEC)
Conductor cross section flexible	6 mm² 16 mm²
Conductor cross section, flexible [AWG]	8 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	6 mm² 16 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	6 mm² 16 mm²
2 conductors with same cross section, solid	2.5 mm² 10 mm²
2 conductors with same cross section, flexible	2.5 mm² 6 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	4 mm² 6 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	4 mm² 6 mm²
Nominal current	76 A
Maximum load current	76 A
Nominal voltage	400 V
Nominal cross section	16 mm²

Dimensions

Width	12.2 mm
Height	51 mm



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Depth	49.9 mm
Depth on NS 35/7,5	50.5 mm
Depth on NS 35/15	58 mm
Material specifications	
Color	gray (RAL 7042)
Flammability rating according to UL 94	V2
Insulating material group	I

PΑ

Static insulating material application in cold	-60 °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
Surface flammability NFPA 130 (ASTM E 162) passed

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

Insulating material

Result lest passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	No
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Mechanical tests

Mechanical strength

Result	Test passed		
Attachment on the carrier			
DIN rail/fixing support	NS 32/NS 35		
Test force setpoint	5 N		
Result	Test passed		



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Environmental and real-life conditions

Time of exposure	30 s
Result	Test passed
Oscillation/broadband noise	
Specification	DIN EN 50155 (VDE 0115-200):2018-05
Spectrum	Long life test category 2, bogie-mounted
Frequency	f ₁ = 5 Hz to f ₂ = 250 Hz
ASD level	6.12 (m/s²)²/Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
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
umbient conditions	
Ambient temperature (operation)	-60 °C 110 °C (Operating temperature range incl. self-heatin 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 %
indards and regulations	
Connection in acc. with standard	IEC 60947-7-1
unting	
Mounting type	NS 35/7,5
	NS 35/15

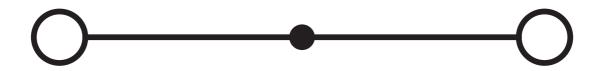


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Drawings

Circuit diagram





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Classifications

ECLASS

	ECLASS-11.0	27141125		
	ECLASS-12.0	27141125		
	ECLASS-13.0	27250110		
ETIM				
	ETIM 9.0	EC001329		
UNSPSC				
	UNSPSC 21.0	39121400		



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions		
China RoHS			
Environment friendly use period (EFUP)	EFUP-E		
	No hazardous substances above the limits		
EU REACH SVHC			
REACH candidate substance (CAS No.)	No substance above 0.1 wt%		

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