

https://www.phoenixcontact.com/us/products/3031953



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Installation terminal block, nom. voltage: 400 V, nominal current: 32 A, Spring-cage connection, 1 level, Rated cross section: 4 mm², cross section: 0.08 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Your advantages

- · Compatible with all Phoenix Contact installation terminal blocks
- · Each terminal point can be clearly labeled and easily recognized in every terminal block mounting position
- · Compact design tailored to distribution boards

Commercial data

Item number	3031953
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE02
Product key	BE2151
Catalog page	Page 283 (C-3-2013)
GTIN	4017918810955
Weight per piece (including packing)	9.97 g
Weight per piece (excluding packing)	9.174 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	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	1.02 W

Connection data

Number of connections per level	2
Nominal cross section	4 mm²

1 level

1 level	
Stripping length	10 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.08 mm² 6 mm²
Cross section AWG	28 10 (converted acc. to IEC)
Conductor cross section flexible	0.08 mm² 4 mm²
Conductor cross section, flexible [AWG]	28 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² 4 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm² 4 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 1 mm²
Nominal current	32 A (with 6 mm² conductor cross section)
Maximum load current	41 A (with 6 mm² conductor cross section)
Nominal voltage	400 V
Nominal cross section	4 mm²

Dimensions

Width	6.2 mm
End cover width	2.2 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	T



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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 volta	ae	test
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Test voltage setpoint	7.3 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 4 mm²	0.48 kA
Short-time withstand current 6 mm²	0.72 kA
Result	Test passed

Power-frequency withstand voltage

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Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	Yes
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Mechanical tests

Mechanical strength

Result	Test passed
Attachment on the carrier	
DIN rail/fixing support	NS 35
Test force setpoint	1 N
Result	Test passed
Test for conductor damage and sleekening	

Test for conductor damage and slackening

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Rotation speed			10 rpm



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Revolutions	135
Conductor cross section/weight	0.08 mm² / 0.1 kg
	4 mm² / 0.9 kg
	6 mm² / 1.4 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

Ambient conditions

7 and on a condition of	
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 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1

Mounting

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

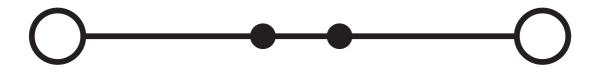


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Drawings

Circuit diagram





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Classifications

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		A.7.7

	ECLASS-11.0	27141125
E ⁻	ГІМ	
	ETIM 8.0	EC001329
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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