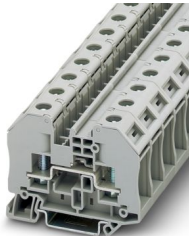


RT 5-NICR/CUNI - Thermoelectric voltage terminal block pair



3048107
<https://www.phoenixcontact.com/us/products/3048107>

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.



Thermoelectric voltage terminal block with bolt connection technology, cross section: 0.1 - 6 mm², AWG: 26 - 10, width: 16.3 mm, color: gray

Commercial data

Item number	3048107
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE43
Product key	BE4313
GTIN	4046356966955
Weight per piece (including packing)	85.51 g
Weight per piece (excluding packing)	85.51 g
Customs tariff number	85369010
Country of origin	CN

RT 5-NICR/CUNI - Thermoelectric voltage terminal block pair



3048107

<https://www.phoenixcontact.com/us/products/3048107>

Technical data

Notes

General	Note: the BE-RT... path extension is to be used for non-insulated cable lugs (see accessories).
General	Unit pack: 2 pcs.

Product properties

Product type	Bolt connection terminal block
Number of positions	2
Number of connections	4
Number of rows	1
Potentials	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
---------------------	------

Connection data

Number of connections per level	4
Nominal cross section	1 mm ²
Rated cross section AWG	16

1 level

Stripping length	The stripping length depends on the specification provided by the cable lug manufacturer.
Connection in acc. with standard	IEC 60947-7-1
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 1 mm ²
Nominal current	1 A
Maximum load current	1 A
Nominal voltage	50 mV
Nominal cross section	1 mm ²

Cable lug connection DIN 46234:1980-03

Connection in acc. with standard	DIN 46234:1980-03
Cross section	0.5 mm ² ... 1 mm ²
Cross section range AWG	20 ... 16 (converted acc. to IEC)
Hole diameter	5.3 mm
Width	10 mm
Bolt diameter	5 mm
Screw thread	M5
Tightening torque	2.5 ... 3 Nm

RT 5-NICR/CUNI - Thermoelectric voltage terminal block pair



3048107

<https://www.phoenixcontact.com/us/products/3048107>

Dimensions

Width	32.6 mm
End cover width	2.2 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))	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

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

RT 5-NICR/CUNI - Thermoelectric voltage terminal block pair



3048107
<https://www.phoenixcontact.com/us/products/3048107>

DIN rail/fixing support	NS 35
Test force setpoint	5 N
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	NS 35/7,5
	NS 35/15

RT 5-NICR/CUNI - Thermoelectric voltage terminal block pair



3048107
<https://www.phoenixcontact.com/us/products/3048107>

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com