Bolt connection terminal block - RSC 4-F/4 - 3059171

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's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

Feed-through terminal block with bolt connection method, cross section: 0.1 - 6 mm², AWG: 26 - 10, width 9 mm, color: gray

Your advantages

- Large-surface, consistent external and center labeling
- Mounting on standard DIN rails or directly in control boxes
- Compact screw connection of ring and fork-type cable lugs
- Screw nuts and current bars are latched in the insulating housing and cannot be removed
- Cover profile that can be snapped directly onto the terminal blocks provides touch-proof protection
- The isolator bridge bar supports switchable cross connections; the bridge screw therefore has the function of a live contact
- Bridge shaft for potential distribution using standard screw bridges

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 534796
GTIN	4046356534796

Technical data

General

Number of levels	1
Number of connections	8
Potentials	4
Nominal cross section	4 mm²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3

Bolt connection terminal block - RSC 4-F/4 - 3059171

Technical data

General

Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	1.02 W
Maximum load current	32 A
Nominal current I_N	32 A
Nominal voltage U_N	800 V
Open side panel	Yes
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

Dimensions

Width	53.8 mm
Length	53.3 mm
Height	37 mm
Pitch	9 mm

Connection data

Note	Connection bolts
Connection method	Bolt connection
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.4 Nm
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section flexible min.	0.1 mm²
Conductor cross section flexible max.	6 mm²
Min. AWG conductor cross section, flexible	26

Bolt connection terminal block - RSC 4-F/4 - 3059171

Technical data

Connection data

Max. AWG conductor cross section, flexible	10
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm²
Cable lug connection according to standard	DIN 46234
Min. cross section for cable lug connection	0.1 mm²
Max. cross section for cable lug connection	6 mm²
Hole diameter, min.	4.3 mm
Cable lug width, max.	8 mm
Bolt diameter	4 mm
Cable lug connection according to standard	DIN 46237
Min. cross section for cable lug connection	0.5 mm²
Max. cross section for cable lug connection	2.5 mm²
Hole diameter, min.	4.3 mm
Cable lug width, max.	8 mm
Bolt diameter	4 mm

Standards and Regulations

Flammability rating according to UL 94	V0
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

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Circuit diagram

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Bolt connection terminal block - RSC 4-F/4 - 3059171

Approvals

Approval details

UL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	30 A	30 A

cUL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	30 A	30 A

EAC	EAC-Zulassung

EAC	RU C-DE.A*30.B.01742

cULus Recognized

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com