

## Bolt connection terminal block - RSC 5-F/4 - 3059210

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Feed-through terminal block with bolt connection method, cross section: 0.1 - 10 mm<sup>2</sup>, AWG: 26 - 8, width 13 mm, color: gray

### Why buy this product

- ✓ Mounting on standard DIN rails or directly in control boxes
- ✓ Large-surface, consistent external and center labeling
- ✓ Compact screw connection of ring and fork-type cable lugs
- ✓ Cover profile that can be snapped directly onto the terminal blocks provides touch-proof protection
- ✓ Screw nuts and current bars are latched in the insulating housing and cannot be removed
- ✓ 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



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 534833
GTIN	4046356534833

### Technical data

#### General

Number of levels	1
Number of connections	4
Potentials	4
Nominal cross section	10 mm <sup>2</sup>
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3

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## Technical data

### General

Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	1.82 W
Maximum load current	57 A (with 10 mm <sup>2</sup> conductor cross section)
Nominal current I <sub>N</sub>	57 A
Nominal voltage U <sub>N</sub>	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	69.7 mm
Length	53.3 mm
Height	37 mm
Pitch	13 mm

### Connection data

Note	Connection bolts
Connection method	Bolt connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section flexible min.	0.1 mm <sup>2</sup>
Conductor cross section flexible max.	10 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	8
Cable lug connection according to standard	DIN 46234
Min. cross section for cable lug connection	0.1 mm <sup>2</sup>
Max. cross section for cable lug connection	10 mm <sup>2</sup>

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## Technical data

### Connection data

Hole diameter, min.	5.3 mm
Cable lug width, max.	10 mm
Bolt diameter	5 mm
Cable lug connection according to standard	DIN 46237
Min. cross section for cable lug connection	0.5 mm <sup>2</sup>
Max. cross section for cable lug connection	6 mm <sup>2</sup>
Hole diameter, min.	5.3 mm
Cable lug width, max.	10 mm
Bolt diameter	5 mm
Screw thread	M5
Tightening torque, min	2 Nm
Tightening torque max	2.2 Nm

### Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1
Flammability rating according to UL 94	V0

### Environmental Product Compliance

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

## Approvals


### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
	B	C	
Nominal current I <sub>N</sub>	45 A	45 A	
Nominal voltage U <sub>N</sub>	600 V	600 V	

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EAC		EAC-Zulassung
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