

Bolt connection terminal block - RSC 5-F/12 - 3059249

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Feed-through terminal block with bolt connection method, cross section: 0.1 - 10 mm², AWG: 26 - 8, width 13 mm, color: gray

Image shows the 4-pos. version

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
- ✓ 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
- ✓ Bridge shaft for potential distribution using standard screw bridges
- ✓ The isolator bridge bar supports switchable cross connections; the bridge screw therefore has the function of a live contact



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 1 STK |
| GTIN | |
| GTIN | 4046356534864 |

Technical data

General

| | |
|--|--------------------|
| Number of levels | 1 |
| Number of connections | 24 |
| Potentials | 12 |
| Nominal cross section | 10 mm ² |
| 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 ² conductor cross section) |
| Nominal current I _N | 57 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 | 173.7 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 ² |
| Conductor cross section flexible max. | 10 mm ² |
| 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 ² |
| Max. cross section for cable lug connection | 10 mm ² |

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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 ² |
| Max. cross section for cable lug connection | 6 mm ² |
| 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 / cULus Recognized


Ex Approvals


Approval details

| | | | |
|--------------------------------|---|---|--------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | C | |
| Nominal current I _N | 45 A | 45 A | |
| Nominal voltage U _N | 600 V | 600 V | |

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Approvals

| | | | |
|--------------------------------|---|---|--------------|
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