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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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 mm², 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 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 | 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 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 / EAC / 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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| | | |
|-----|-----------------------------------------------------------------------------------|---------------|
| EAC |  | EAC-Zulassung |
|-----|-----------------------------------------------------------------------------------|---------------|

| | | |
|------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm |
|------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

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