

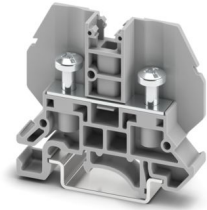
RSC 4 - Bolt connection terminal block



3058127

<https://www.phoenixcontact.com/us/products/3058127>

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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

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3058127 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE15 |
| Product key | BE1511 |
| GTIN | 4046356500289 |
| Weight per piece (including packing) | 13.88 g |
| Weight per piece (excluding packing) | 13.039 g |
| Customs tariff number | 85369010 |
| Country of origin | IN |

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Technical data

Notes

General

| | |
|------|---|
| Note | The rated insulation voltage applies to insulated cable lugs acc. DIN 46237:1970-07 and for uninsulated cable lugs acc. DIN 46234:1980-03 with shrink sleeve. |
|------|---|

Product properties

| | |
|-----------------------|--------------------------------|
| Product type | Bolt connection terminal block |
| Product family | RSC |
| Pitch | 9 mm |
| Number of connections | 2 |
| Number of rows | 1 |
| Potentials | 1 |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Electrical properties

| | |
|---|--------|
| Rated surge voltage | 8 kV |
| Maximum power dissipation for nominal condition | 1.02 W |

Connection data

| | |
|----------------------------------|---|
| Number of connections per level | 2 |
| Nominal cross section | 4 mm ² |
| Connection method | Bolt connection |
| Stripping length | The stripping length depends on the specification provided by the cable lug manufacturer. |
| Connection in acc. with standard | IEC 60947-7-1 |
| Nominal cross section | 4 mm ² |
| Nominal current | 32 A |
| Maximum load current | 32 A |
| Nominal voltage | 800 V |

Cable lug connection DIN 46234:1980-03

| | |
|----------------------------------|---|
| Connection in acc. with standard | DIN 46234:1980-03 |
| Cross section | 0.1 mm ² ... 6 mm ² |
| Cross section range AWG | 26 ... 10 (converted acc. to IEC) |
| Hole diameter | 4.3 mm |
| Width | 8 mm |
| Bolt diameter | 4 mm |
| Screw thread | M4 |
| Tightening torque | 1.2 ... 1.4 Nm |

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| | |
|--|---|
| Connection in acc. with standard | DIN 46237:1970-07 |
| Cross section | 0.5 mm ² ... 2.5 mm ² |
| Cross section range AWG | 26 ... 10 (converted acc. to IEC) |
| Hole diameter | 4.3 mm |
| Width | 8 mm |
| Bolt diameter | 4 mm |
| Screw thread | M4 |
| Tightening torque | 1.2 ... 1.4 Nm |
| Identification color of ring cable lugs : red | 1 mm ² |
| Identification color of ring cable lugs : blue | 2.5 mm ² |

Dimensions

| | |
|--------------------|---------|
| Width | 9 mm |
| End cover width | 2.2 mm |
| Height | 53.3 mm |
| Depth on NS 32 | 52.1 mm |
| Depth on NS 35/7,5 | 47.1 mm |
| Depth on NS 35/15 | 54.6 mm |
| Pitch | 9 mm |

Material specifications

| | |
|---|-----------------|
| Color | gray (RAL 7042) |
| 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

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| | |
|--|-------------------------------------|
| Requirement temperature-rise test | Increase in temperature ≤ 45 K |
| Result | Test passed |
| Short-time withstand current 4 mm ² | 0.48 kA |
| Short-time withstand current 6 mm ² | 0.72 kA |
| Result | Test passed |

Power-frequency withstand voltage

| | |
|-----------------------|-------------|
| Test voltage setpoint | 2 kV |
| Result | Test passed |

Mechanical properties

Mechanical data

| | |
|-----------------|-----|
| Open side panel | Yes |
|-----------------|-----|

Mechanical tests

Mechanical strength

| | |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

Attachment on the carrier

| | |
|-------------------------|-------------|
| DIN rail/fixing support | NS 32/NS 35 |
| Test force setpoint | 1 N |
| Result | Test passed |

Environmental and real-life conditions

Needle-flame test

| | |
|------------------|-------------|
| Time of exposure | 30 s |
| Result | Test passed |

Oscillation/broadband noise

| | |
|------------------------|--|
| Specification | DIN EN 50155 (VDE 0115-200):2008-03 |
| Spectrum | Long life test category 1, class B, body mounted |
| Frequency | $f_1 = 5$ Hz to $f_2 = 150$ Hz |
| ASD level | 0.2g ² /Hz |
| Acceleration | 0.8g |
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |
| Result | Test passed |

Shocks

| | |
|--------------------------------|-------------------------------------|
| Specification | DIN EN 50155 (VDE 0115-200):2008-03 |
| Pulse shape | Half-sine |
| Acceleration | 5g |
| Shock duration | 30 ms |
| Number of shocks per direction | 3 |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |

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| Result | Test passed |
|--|--|
| Ambient conditions | |
| Ambient temperature (operation) | -60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.) |
| Ambient temperature (storage/transport) | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| Ambient temperature (assembly) | -5 °C ... 70 °C |
| Ambient temperature (actuation) | -5 °C ... 70 °C |
| Permissible humidity (operation) | 20 % ... 90 % |
| Permissible humidity (storage/transport) | 30 % ... 70 % |

Standards and regulations

| | |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
|----------------------------------|---------------|

Mounting

| | |
|---------------|-----------|
| Mounting type | NS 35/7,5 |
| | NS 35/15 |

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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3058127>

|  IECEE CB Scheme Approval ID: DE1-66168 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 800 V | 32 A | - | - 4 |

|  EAC Approval ID: KZ7500651131219505 | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

|  VDE Zeichengenehmigung Approval ID: 40030587 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 800 V | 32 A | - | - 4 |

|  cULus Recognized Approval ID: E60425 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| B | | | | |
| | 600 V | 30 A | - | - |
| C | | | | |
| | 600 V | 30 A | - | - |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27250101 |
| ECLASS-15.0 | 27250101 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC000897 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 0.061 kg CO2e |
|---------|---------------|

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