

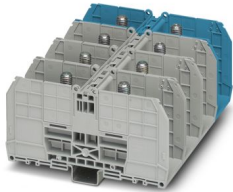
RBO 12-3L/N - Bolt connection terminal block



3076264

<https://www.phoenixcontact.com/us/products/3076264>

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Bolt connection terminal block, nom. voltage: 1000 V, nominal current: 415 A, number of connections: 8, number of positions: 4, connection method: Bolt connection, Rated cross section: 240 mm², 1 level, mounting type: NS 35/7,5, NS 35/15, direct screw connection, color: gray/blue

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3076264 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | BE4412 |
| GTIN | 4046356653503 |
| Weight per piece (including packing) | 1,493 g |
| Weight per piece (excluding packing) | 1,493 g |
| Country of origin | CN |

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Technical data

Product properties

| | |
|-----------------------|--------------------------------|
| Product type | Bolt connection terminal block |
| Number of positions | 4 |
| Pitch | 49 mm |
| Number of connections | 8 |
| Number of rows | 1 |
| Potentials | 4 |

Insulation characteristics

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

Electrical properties

| | |
|---------------------|------|
| Rated surge voltage | 8 kV |
|---------------------|------|

Connection data

| | |
|---------------------------------|---------------------|
| Number of connections per level | 8 |
| Nominal cross section | 240 mm ² |

1 level

| | |
|----------------------------------|---|
| 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 | 240 mm ² |
| Nominal current | 415 A |
| Maximum load current | 415 A (with 240 mm ² conductor cross-section) |
| Nominal voltage | 1000 V |

Cable lug connection DIN 46234:1980-03

| | |
|----------------------------------|--|
| Connection in acc. with standard | DIN 46234:1980-03 |
| Cross section | 10 mm ² ... 240 mm ² |
| Cross section range AWG | 8 ... 500 kcmil (converted acc. to IEC) |
| Hole diameter | 13 mm |
| Width | 38 mm |
| Bolt diameter | 12 mm |
| Screw thread | M12 |
| Tightening torque | 14 ... 30 Nm |
| Connection in acc. with standard | DIN 46235:1983-07 |
| Cross section | 10 mm ² ... 240 mm ² |
| Cross section range AWG | 8 ... 500 kcmil (converted acc. to IEC) |
| Hole diameter | 13 mm |
| Width | 42 mm |

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| | |
|-------------------|--------------|
| Bolt diameter | 12 mm |
| Screw thread | M12 |
| Tightening torque | 14 ... 30 Nm |

Dimensions

| | |
|---------------------|--------|
| Dimensional drawing | |
| Width | 196 mm |
| Pitch | 49 mm |

Material specifications

| | |
|---|-------------|
| Color | gray/blue |
| 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 |

Mechanical properties

Mechanical data

| | |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

Standards and regulations

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

Mounting

| | |
|---------------|-------------------------|
| Mounting type | NS 35/7,5 |
| | NS 35/15 |
| | direct screw connection |

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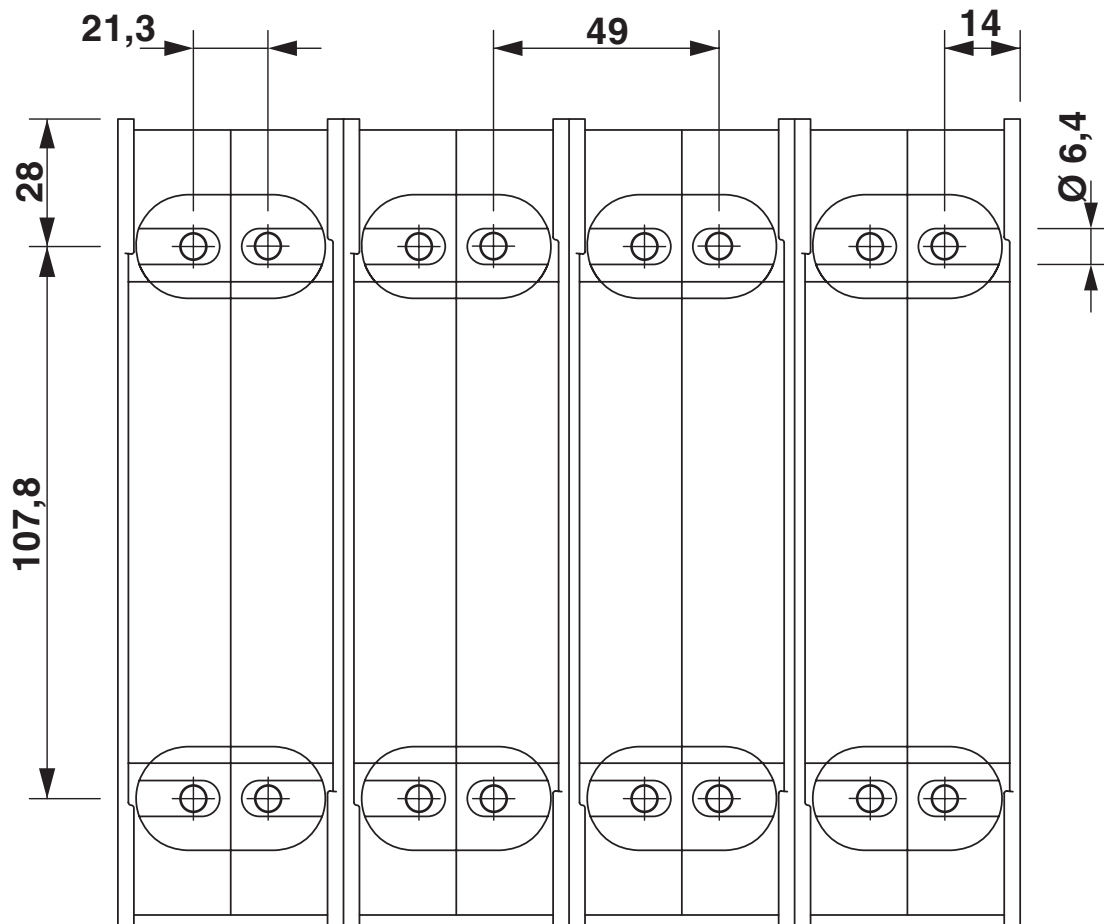


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Drawings

Dimensional drawing



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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% |
|-------------------------------------|----------------------------|

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com