

ST 4-QUATTRO-DIO 1N 5408/R-L - Component terminal block



3037795

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Component terminal block, with integrated diode 1N 5408, nom. voltage: 800 V, nominal current: 1.5 A, number of connections: 4, connection method: Spring-cage connection, Rated cross section: 1 mm², cross section: 0.08 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3037795 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE02 |
| Product key | BE2172 |
| GTIN | 4017918939410 |
| Weight per piece (including packing) | 14.91 g |
| Weight per piece (excluding packing) | 14.91 g |
| Customs tariff number | 85369010 |
| Country of origin | PL |

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Technical data

Product properties

| | |
|-----------------------|--------------------------|
| Product type | Component terminal block |
| Number of connections | 4 |
| 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 | 4 |
| Nominal cross section | 4 mm ² |
| Connection method | Spring-cage connection |
| Stripping length | 8 mm ... 10 mm |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section rigid | 0.08 mm ² ... 6 mm ² |
| Cross section AWG | 28 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.08 mm ² ... 4 mm ² |
| Conductor cross-section, flexible [AWG] | 28 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible ultrasound-compressed | 0.34 mm ² ... 6 mm ² |
| Conductor cross-section, flexible [AWG] ultrasound-compressed | 22 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.14 mm ² ... 4 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.14 mm ² ... 4 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 1 mm ² |
| Nominal cross section | 1 mm ² |
| Nominal current | 1.5 A |
| Maximum load current | 1.5 A |
| Nominal voltage | 800 V |

Dimensions

| | |
|--------------------|---------|
| Width | 6.2 mm |
| End cover width | 2.2 mm |
| Height | 87 mm |
| Depth on NS 35/7,5 | 36.5 mm |
| Depth on NS 35/15 | 44 mm |

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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)) | 125 °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) | 27,5 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 | Yes |
|-----------------|-----|

Environmental and real-life conditions

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 |

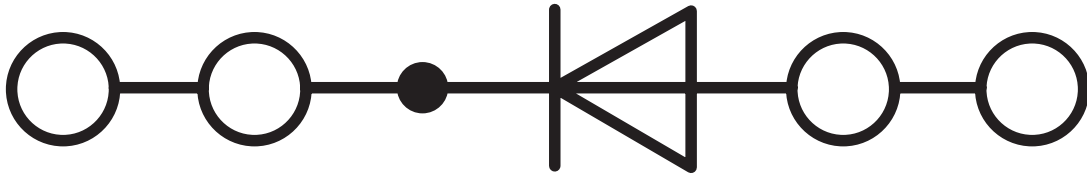
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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3037795>



EAC

Approval ID: RU C-DE.BL08.B.00644

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27250114 |
| ECLASS-15.0 | 27250114 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC000898 |
|-----------|----------|

UNSPSC

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

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Environmental product compliance

EU RoHS

| | |
|---|------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 7(a) |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 154902f2-f3e1-47fc-9933-5cd850f2a1a1 |

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 0.089 kg CO2e |
|---------|---------------|

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