

https://www.phoenixcontact.com/sg/products/3037384

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, number of connections: 3, connection method: Spring-cage connection, 1 level, Rated cross section: 4 mm^2 , cross section: 0.08 mm^2 - 6 mm^2 , mounting type: NS 35/7,5, NS 35/15, color: green

Your advantages

- The consistent double function shaft offers every opportunity for time-saving potential distribution and accommodating test accessories
- · User-friendly implementation of all potential branching tasks
- · Space-saving and practical multi-conductor connection without additional bridges

Commercial data

| Item number | 3037384 |
|--------------------------------------|--------------------------------|
| Packing unit | 50 pc |
| Minimum order quantity | 50 рс |
| Note | Made to order (non-returnable) |
| Sales key | 0163* |
| Product key | BE2112 |
| GTIN | 4017918599782 |
| Weight per piece (including packing) | 11.72 g |
| Weight per piece (excluding packing) | 10.924 g |
| Customs tariff number | 85369010 |
| Country of origin | DE |

HŒR

3037384

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Technical data

| roduct properties | |
|---|---|
| Product type | Multi-conductor terminal block |
| Number of connections | 3 |
| Number of rows | 1 |
| Potentials | 1 |
| Insulation characteristics | |
| Overvoltage category | III |
| Degree of pollution | 3 |
| lectrical properties | |
| Rated surge voltage | 8 kV |
| Maximum power dissipation for nominal condition | 1.02 W |
| onnection data | |
| Number of connections per level | 3 |
| Nominal cross section | 4 mm ² |
| 1 level | |
| Stripping length | 8 mm 10 mm |
| Internal cylindrical gage | A4 |
| 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 (ferrule without plastic sleeve) | 0.14 mm² 4 mm² |
| 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 mm² 1 mm² |
| Nominal current | 32 A (with 6 mm ² conductor cross section) |
| Maximum load current | 40 A (In the case of a 6 mm ² conductor cross section, the maximum load current must not be exceeded by the total current of all connected conductors) |
| Nominal voltage | 800 V |
| Nominal cross section | 4 mm ² |

Ex data

Rated data (ATEX/IECEx)

| Identification | II 2 GD Ex eb IIC Gb |
|-----------------------------|----------------------|
| Operating temperature range | -60 °C 85 °C |
| Ex-certified accessories | 3030491 D-ST 4-TWIN |
| | 3030789 ATP-ST-TWIN |

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| | 3036615 DS-ST 4 |
|--|--|
| | 1204517 SZF 1-0,6X3,5 |
| | 3022276 CLIPFIX 35-5 |
| | 3022218 CLIPFIX 35 |
| List of bridges | Plug-in bridge / FBS 2-6 / 3030336 |
| | Plug-in bridge / FBS 3-6 / 3030242 |
| | Plug-in bridge / FBS 4-6 / 3030255 |
| | Plug-in bridge / FBS 5-6 / 3030349 |
| | Plug-in bridge / FBS 10-6 / 3030271 |
| | Plug-in bridge / FBS 20-6 / 3030365 |
| Bridge data | 28 A (4 mm²) |
| Ex temperature increase | 40 K (33 A / 4 mm²) |
| Rated voltage | 550 V |
| for bridging with bridge | 550 V |
| - At bridging between non-adjacent terminal blocks | 352 V |
| At bridging between non-adjacent terminal blocks via PE terminal block | 352 V |
| - At cut-to-length bridging with cover | 220 V |
| - At cut-to-length bridging with partition plate | 275 V |
| Rated insulation voltage | 500 V |
| output | (Permanent) |
| Ex level General | |
| Rated current | 30 A |
| Maximum load current | 34.5 A |
| Contact resistance | 0.69 mΩ |
| Ex connection data General | |
| Nominal cross section | 4 mm ² |
| Rated cross section AWG | 12 |
| Connection capacity rigid | 0.08 mm ² 6 mm ² |
| Connection capacity AWG | 28 10 |
| Connection capacity flexible | 0.08 mm ² 4 mm ² |
| Connection capacity AWG | 28 12 |
| | |
| nensions | |
| Width | 6.2 mm |
| End cover width | 2.2 mm |
| aterial specifications | |
| Color | green (RAL 6021) |
| Flammability rating according to UL 94 | VO |
| | |

| Insulating material group | 1 |
|--|--------|
| Insulating material | PA |
| Static insulating material application in cold | -60 °C |

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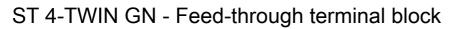
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C |
|--|-------------|
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R26 | HL 1 - HL 3 |
| 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

| Specification | DIN EN 50155 (VDE 0115-200):2018-05 |
|--|---|
| Spectrum | Long life test category 2, bogie-mounted |
| Frequency | $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ |
| ASD level | 6.12 (m/s²)²/Hz |
| Acceleration | 3.12g |
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |
| Result | Test passed |
| locks | |
| Specification | DIN EN 50155 (VDE 0115-200):2008-03 |
| Pulse shape | Half-sine |
| Acceleration | 30g |
| Shock duration | 18 ms |
| Number of shocks per direction | 3 |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |
| Result | Test passed |
| nbient conditions | |
| 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 (storage/transport) | 30 % 70 % |
| dards and regulations | |
| Connection in acc. with standard | IEC 60947-7-1 |
| | |
| Inting | |

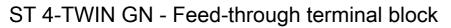


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NS 35/15



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Drawings

Circuit diagram



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Classifications

ECLASS

| | ECLASS-11.0 | 27141120 |
|------|-------------|----------|
| | ECLASS-13.0 | 27250101 |
| ETIM | | |
| | ETIM 8.0 | EC000897 |
| UN | ISPSC | |
| | 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% |

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