

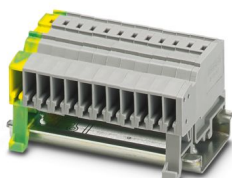
SC 2,5-NS/12 (1GNYE/11GY) - COMBI coupling



3041462

<https://www.phoenixcontact.com/us/products/3041462>

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COMBI coupling, nom. voltage: 500 V, nominal current: 24 A, number of connections: 1, number of positions: 12, connection method: Spring-cage connection, Rated cross section: 2.5 mm², cross section: 0.08 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: green/yellow-gray

Your advantages

- Standard strain relief can be used
- Tested for railway applications
- The coupling with spring-cage connection offers the ideal solution for applications with DIN rail mounting where only a low design height is available

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3041462 |
| Packing unit | 10 pc |
| Minimum order quantity | 1 pc |
| Product key | BE2145 |
| GTIN | 4046356995764 |
| Weight per piece (including packing) | 37.59 g |
| Weight per piece (excluding packing) | 37.59 g |
| Country of origin | PL |

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Technical data

Product properties

| | |
|-----------------------|-------------------|
| Product type | Terminal coupling |
| Area of application | Railway industry |
| | Machine building |
| | Plant engineering |
| Number of positions | 12 |
| Pitch | 5.2 mm |
| Number of connections | 1 |
| Number of rows | 1 |
| Potentials | 12 |

Insulation characteristics

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

Electrical properties

| | |
|---|--------|
| Rated surge voltage | 6 kV |
| Maximum power dissipation for nominal condition | 0.77 W |

Connection data

| | |
|---|---|
| Nominal cross section | 2.5 mm ² |
| Connection method | Spring-cage connection |
| Stripping length | 10 mm |
| Internal cylindrical gage | A3 |
| Connection in acc. with standard | IEC 61984 |
| Conductor cross-section rigid | 0.08 mm ² ... 4 mm ² |
| Cross section AWG | 28 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.08 mm ² ... 2.5 mm ² |
| Conductor cross-section, flexible [AWG] | 28 ... 14 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.14 mm ² ... 2.5 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.14 mm ² ... 2.5 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² |
| Nominal current | 24 A |
| Maximum load current | 24 A (with 4 mm ² conductor cross-section) |
| Nominal voltage | 500 V |
| Nominal cross section | 2.5 mm ² |

Dimensions

| | |
|-----------------|---------|
| Width | 64.3 mm |
| End cover width | 2.2 mm |
| Pitch | 5.2 mm |

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Material specifications

| | |
|---|-----------------|
| Color | multicolored |
| | green-yellow |
| | 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 |

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Ambient 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 % |

Standards and regulations

| | |
|----------------------------------|-----------|
| Connection in acc. with standard | IEC 61984 |
|----------------------------------|-----------|

Mounting

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

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Drawings

Circuit diagram



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Classifications

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC001284 |
|----------|----------|

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

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