

SCC 15-NS35 - Shield connection terminal block



1019443

<https://www.phoenixcontact.com/gb/products/1019443>

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Shield connection terminal block, number of positions: 1, connection method: Spring-cage connection, mounting type: NS 35/7,5, NS 35/15, color: black

Your advantages

- Convenient single-handed installation
- Shield connection clamps for cable diameters up to 20 mm
- Modern spring technology protects against vibrations
- Low transfer impedance due to large-surface shield connection
- High corrosion resistance
- Unique marking surface for cable designations
- As components, it is not possible to certify shield connections in accordance with the requirements of the directive and standards for electrical equipment in potentially explosive areas. As such, shield connection clamps can be used in the Ex area even without an appropriate approval or marking.

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1019443 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | BE7523 |
| Product key | BE7523 |
| GTIN | 4055626506142 |
| Weight per piece (including packing) | 33.404 g |
| Weight per piece (excluding packing) | 29.123 g |
| Customs tariff number | 85369010 |
| Country of origin | CN |

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Technical data

Notes

General

| | |
|------|---|
| Note | The shield connection clamps must not be used for strain relief of cables/conductors. |
| | Do not use for protective conductor connection. |

Product properties

| | |
|---------------------|-------------------------|
| Product type | Shield connection clamp |
| Number of positions | 1 |

Electrical properties

| | |
|---|-----|
| Maximum power dissipation for nominal condition | 0 W |
|---|-----|

Connection data

| | |
|-------------------|------------------------|
| Connection method | Spring-cage connection |
| Stripping length | 50 mm |

Dimensions

| | |
|--------------------|---------|
| Width | 19 mm |
| Height | 45.8 mm |
| Depth | 45.1 mm |
| Depth on NS 35/7,5 | 47.1 mm |
| Depth on NS 35/15 | 54.6 mm |

Material specifications

| | |
|--|------------------|
| Color | black (RAL 9005) |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | CTI 600 |
| Insulating material | PA 6.6 |
| Static insulating material application in cold | -60 °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 |
| 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 |

Cable/line

| | |
|-------------------------|----------------|
| External cable diameter | 8 mm ... 15 mm |
|-------------------------|----------------|

Mechanical tests

Mechanical strength

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

Attachment on the carrier

| | |
|-------------------------|-------------|
| DIN rail/fixing support | NS 32/NS 35 |
| 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):2018-05 |
| Spectrum | Long life test category 2, bogie-mounted |
| Frequency | $f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$ |
| ASD level | $6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$ |
| Acceleration | 3.12g |
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |
| Result | Test passed |

Shocks

| | |
|--------------------------------|-------------------------------------|
| Specification | DIN EN 50155 (VDE 0115-200):2018-05 |
| 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 |

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 % |

Mounting

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

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27250309 |
| ECLASS-15.0 | 27250309 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002020 |
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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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