

SPE-T1-CIM-SF - Connector



1343953

<https://www.phoenixcontact.com/us/products/1343953>

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Connector, design: IEC 63171-2, degree of protection: IP20, number of positions: 2, 1 Gbps, material: Metal, connection method: IDC fast connection, connection cross section: AWG 26- 22, cable outlet: straight, Single Pair Ethernet

Your advantages

- Data transmission up to 600 MHz
- Compact design
- Connectors in accordance with IEC 63171-2
- Mechanical interlock with locking clip
- High shock and vibration resistance
- 360° shielding
- Robust industrial design
- Assembly without special tools

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1343953 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | AB13 |
| Product key | ABNBAB |
| GTIN | 4063151655280 |
| Weight per piece (including packing) | 9.16 g |
| Weight per piece (excluding packing) | 9.16 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

Technical data

Product properties

| | |
|---------------------|-----------------------------|
| Product type | Data connector (cable side) |
| Type | SPE |
| Sensor type | Single Pair Ethernet |
| Number of positions | 2 |
| Connection profile | SPE |
| Number of slots | 2 |
| Shielded | yes |
| Cable outlet | straight |

Insulation characteristics

| | |
|----------------------|---|
| Overvoltage category | I |
| Degree of pollution | 2 |

Electrical properties

| | |
|---|-------------------|
| Rated voltage (III/2) | 72 V DC |
| Rated surge voltage | 2250 V DC |
| Rated current | 2 A |
| Frequency range | 600 MHz |
| Insulation resistance | > 500 MΩ |
| Contact resistance | < 20 mΩ |
| Transmission medium | Copper |
| Transmission characteristics (category) | CAT B (IEC 63171) |
| Transmission speed | 1 Gbps |
| Power transmission | PoDL |

Connection data

Connection technology

| | |
|------------------------------|---|
| Connection method | IDC fast connection |
| Connection cross section AWG | 26 ... 22 (solid) |
| | 26 ... 22 (flexible) |
| Conductor cross section | 0.18 mm ² ... 0.45 mm ² |

Interfaces

| | |
|--------------------|---|
| Transmission speed | 100 Mbps (in accordance with IEEE 802.3 bw) |
| | 1 Gbps (in accordance with IEEE 802.3 bp) |
| | 10 Mbps (in accordance with IEEE 802.3 cg) |

Dimensions

| | |
|--------|----------|
| Width | 7.5 mm |
| Height | 11.3 mm |
| Length | 32.85 mm |

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Material specifications

| | |
|--|-------|
| Flammability rating according to UL 94 | V0 |
| Housing material | Metal |
| Housing surface material | Ni |
| Contact material | CuSn |
| Contact surface material | Au |
| Contact carrier material | PC |

Cable/line

| | |
|---|-------------------|
| External cable diameter | 3.6 mm ... 5.7 mm |
| Stripping length of the individual wire | 15 mm |
| Test voltage Core/Core | 1000 V DC |
| Test voltage Core/Shield | 2250.00 V DC |
| Halogen-free | yes |

Mechanical properties

Mechanical data

| | |
|-----------------------------|-------|
| Insertion/withdrawal cycles | > 750 |
|-----------------------------|-------|

Environmental and real-life conditions

Ambient conditions

| | |
|---|------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 85 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Ambient temperature (assembly) | -25 °C ... 85 °C |

Mounting

| | |
|---------------|---|
| Mounting type | For field assembly |
| Assembly note | Max. 4x reconnectable with the same or larger conductor cross-section |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440390 |
| ECLASS-12.0 | 27440390 |
| ECLASS-13.0 | 27460201 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002637 |
|----------|----------|

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.) | Perfluorobutane sulfonic acid (PFBS) and its salts(CAS: n/a) |
| SCIP | 02b17642-abbd-467b-b196-13cc0019557b |

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Accessories

SPE-T1-STRM-90 - SPE PCB connector

1163797

<https://www.phoenixcontact.com/us/products/1163797>



SPE PCB connector, design: IEC 63171-2, degree of protection: IP20, number of positions: 2, 1 Gbps, CAT B (ISO/IEC 63171), material: Metal, connection method: THR solder connection, cable outlet: straight, Single Pair Ethernet

SPE-T1-STSM-180 - SPE PCB connector

1163798

<https://www.phoenixcontact.com/us/products/1163798>



SPE PCB connector, design: IEC 63171-2, degree of protection: IP20, number of positions: 2, 1 Gbps, CAT B (ISO/IEC 63171), material: Metal, connection method: THR solder connection, cable outlet: straight, Single Pair Ethernet

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SPE-T1-STRM-90-LED - SPE PCB connector

1215778

<https://www.phoenixcontact.com/us/products/1215778>



SPE PCB connector, design: IEC 63171-2, degree of protection: IP20, number of positions: 2, 1 Gbps, CAT B (ISO/IEC 63171), material: Plastic, connection method: THR solder connection, cable outlet: straight, Single Pair Ethernet

NBC-100,0- 99B - Cable reel

1583504

<https://www.phoenixcontact.com/us/products/1583504>



By the meter, Cable reel, Single Pair Ethernet (1 Gbps), shielded, PUR halogen-free, green, 2-wire (1 x 2 x AWG 22/7, S/FTP), color single wire: white, blue, cable length: 100 m

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