

# 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 speed	1 Gbps (in accordance with IEEE 802.3 bp) 100 Mbps (in accordance with IEEE 802.3 bw) 10 Mbps (in accordance with IEEE 802.3 cg)
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 <sup>2</sup> ... 0.45 mm <sup>2</sup>

### 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)
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### Dimensions

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Width	7.5 mm
Height	11.3 mm
Length	32.85 mm

## 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
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## 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-13.0	27440114
ECLASS-15.0	27440114

### ETIM

ETIM 9.0	EC002636
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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
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### 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

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### 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

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## 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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