SPE-T1-CIM-SF - Connector

1343953

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

PHŒNIX CONTACT

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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 AWG- 22 AWG, 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	1 pc
Minimum order quantity	10 pc
Sales key	AB14
Product key	ABNBAB
GTIN	4063151655280
Weight per piece (including packing)	9.16 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Product properties

Type	SPE
Product type	Data connector (cable side)
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 current	2 A
Frequency range	600 MHz
Insulation resistance	> 500 MΩ
Contact resistance	< 20 mΩ
Transmission medium	Copper
Transmission characteristics (category)	CAT5
Transmission speed	1 Gbps
Power transmission	PoDL

Connection data

Connection technology

Connection method	IDC fast connection
Connection cross section AWG	26 AWG ... 22 AWG (solid)
	26 AWG ... 22 AWG (flexible)
Conductor cross section	0.18 mm² ... 0.45 mm²

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

Material specifications

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

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 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 instructions	Max. 4x reconnectable with the same or larger conductor cross-section
Connection method	IDC fast connection

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Classifications

ECLASS

ECLASS-11.0	27440390
ECLASS-12.0	27440390
ECLASS-13.0	27440390

ETIM

ETIM 8.0	EC001121

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

REACh SVHC	Perfluorobutane sulfonic acid (PFBS) and its salts
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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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- 97B - Cable reel

1583499

https://www.phoenixcontact.com/us/products/1583499

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

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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