

SPE-T1-CIM-SF - Connector



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

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Technical data

Product properties

Product type	Data connector (cable side)
Type	SPE
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 ² ... 0.45 mm ²

Interfaces

Signal type/category	Single Pair Ethernet, 1 Gbps (in accordance with IEEE 802.3 bp)
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

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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

Signal type/category	Single Pair Ethernet, 1 Gbps (in accordance with IEEE 802.3 bp)
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 10.0	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

EF3.1 Climate Change

CO2e kg	2.862 kg CO2e
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