

SPE PCB connector - SPE-T1-STRM-90



1163797

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

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

Your advantages

- Compact design for maximum space savings
- Connectors in accordance with IEC 63171-2
- THR solderable
- Robust industrial design
- 360° shielding
- Data transmission up to 600 MHz

Commercial Data

Item number	1163797
Packing unit	1 pc
Minimum order quantity	100 pc
Sales Key	A08
Product Key	ABNIBA
GTIN	4063151175979
Weight per Piece (including packing)	4.28 g
Weight per Piece (excluding packing)	3.96 g
Customs tariff number	85366990
Country of origin	DE

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Technical Data

Product properties

Type	SPE
Product type	Female insert
Number of positions	2
Pitch	7.62 mm
Number of slots	1
Locking type	Locking clip
Shielded	yes

Insulation characteristics

Overvoltage category	II
Degree of pollution	2

Electrical properties

Rated voltage (III/2)	72 V DC
Rated current	4 A
Frequency range	600 MHz
Insulation resistance	> 1 TΩ
Transmission medium	Copper

Connection data

Connection technology

Connection method	THR solder connection
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Dimensions

Width	5 mm
Height	8.35 mm
Length	14.2 mm
Pitch	7.62 mm

Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ni/Au
Contact carrier material	LCP

Connector

Insertion/withdrawal cycles	≥ 750
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Cable / line

Test voltage Core/Core	1000 V DC
Test voltage Core/Shield	2250 V DC

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Halogen-free	yes
Resistance to oil	yes
Flame resistance	UL 94 V0

Mechanical properties

Mechanical data

Insertion force per signal contact	< 1.50 N
Extraction force per signal contact	< 1.5 N

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Resistance to oil	yes

Standards and regulations

Flame resistance	UL 94 V0
Resistance to oil	yes

Mounting

Mounting type	PCB mounting
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Processing notes

Moisture Sensitive Level	MSL1
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Approvals

 cULus Recognized Approval ID: FILE E335024	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	60 V	1.4 A	-	-

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Classifications

ECLASS

ECLASS-9.0	27440402
ECLASS-10.0.1	27440390
ECLASS-11.0	27440390

ETIM

ETIM 8.0	EC001121
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UNSPSC

UNSPSC 21.0	39121400
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Accessories

Patch cable

Patch cable - SPE-T1-CCP-SF/1,0/AWG22/CCP-SF - 1183807

<https://www.phoenixcontact.com/us/products/1183807>



Patch cable, type: IEC 63171-2, degree of protection: IP20, cable length: 1 m, number of positions: 2, 1 Gbps, material: TPU, connection method: Crimp connection, connection cross section: AWG 22- 22, Single Pair Ethernet

Patch cable

Patch cable - SPE-T1-CCP-SF/2,0/AWG22/CCP-SF - 1183808

<https://www.phoenixcontact.com/us/products/1183808>



Patch cable, type: IEC 63171-2, degree of protection: IP20, cable length: 2 m, number of positions: 2, 1 Gbps, material: TPU, connection method: Crimp connection, connection cross section: AWG 22- 22, Single Pair Ethernet

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Patch cable

Patch cable - SPE-T1-CCP-SF/3,0/AWG22/CCP-SF - 1183810

<https://www.phoenixcontact.com/us/products/1183810>



Patch cable, type: IEC 63171-2, degree of protection: IP20, cable length: 3 m, number of positions: 2, 1 Gbps, material: TPU, connection method: Crimp connection, connection cross section: AWG 22- 22, Single Pair Ethernet

Patch cable

Patch cable - SPE-T1-CCP-SF/5,0/AWG22/CCP-SF - 1183811

<https://www.phoenixcontact.com/us/products/1183811>



Patch cable, type: IEC 63171-2, degree of protection: IP20, cable length: 5 m, number of positions: 2, 1 Gbps, material: TPU, connection method: Crimp connection, connection cross section: AWG 22- 22, Single Pair Ethernet

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