

IE-PCB-SPO-P-90V-THR

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Single pair Ethernet is a technology that only requires one pair of wires to transmit data and power. The resulting benefits will make SPE the preferred network at the field level and beyond.

Advantages of Single Pair Ethernet

- **Consistent:** Single Pair Ethernet enables uniform Ethernet-based communication from the sensor to the cloud
- **Future-proof:** key technology for Industry 4.0 and IIoT
- **Flexible:** ranges of up to 1000 m and transmission properties of up to 1 Gbps enable use across applications
- **Innovative:** lighter, less space required, and reduced installation effort

General ordering data

Version	PCB plug-in connector, male header, Clip-on flange, THT/THR solder connection, 1.80 mm, Number of poles: 2, 90°, Solder pin length (l): 2.1 mm, Ni/Au, silver, black, Tape
Order No.	2726010000
Type	IE-PCB-SPO-P-90V-THR
GTIN (EAN)	4050118810769
Qty.	100 pc(s).
Packaging	Tape

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Technical data

Dimensions and weights

Depth	14.2 mm	Depth (inches)	0.559 inch
Height	5.95 mm	Height (inches)	0.234 inch
Length	14.2 mm	Length (inches)	0.559 inch
Net weight	3 g	Width	3.65 mm
Width (inches)	0.144 inch		

Temperatures

Operating temperature	-40 °C...85 °C
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Electrical properties

Current-carrying capacity	Current-carrying capacity	3.5 A
	Temperature	0 °C
Dielectric strength, contact / contact	1000 V DC	
Dielectric strength, contact / shield	2250 V DC	
Insulation strength	≥ 500 MΩ	
Operational voltage range	≤ 50 V AC, ≤ 60 V DC	
PoE / PoE+	PoDL acc. to IEEE 802.3bu / cg	
Rated current	4 A	
Rated voltage	72 V	

General standards

Connector standard	IEC 63171-2
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Standards

Connector standard	IEC 63171-2
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System specifications

Category	T1-B	LED	No
Mounting onto the PCB	THT/THR solder connection	Number of poles	2
Outgoing elbow	90°	Performance-Category	T1-B 10/100 MBit/s, 1000 MBit/s
Pitch in mm (P)	1.8 mm	Plugging cycles	750
Product family	Industrial Ethernet	Protection degree	IP20
Shielding	Yes	Side termination, characteristic	Clip-on flange
Solder pin dimensions	Octagonal	Solder pin length (l)	2.1 mm
Soldering process	Manual soldering, Wave soldering	Tolerance of solder pin position	± 0.1 mm
Transmission rate	10/100 MBit/s, 1000 MBit/s	Type of connection	Solder connection, Male contact

Classifications

ETIM 6.0	EC002637	ETIM 7.0	EC002637
ECLASS 9.0	27-44-04-02	ECLASS 9.1	27-44-04-02
ECLASS 10.0	27-44-04-02	ECLASS 11.0	27-46-02-01

Approvals

ROHS	Conform
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Data sheet

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Technical data

Downloads

Engineering Data

[STEP](#)

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Drawings

