

IE-PCB-SPM-P-180-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	Built-in plugs, M8 PCB insert, Socket connector, Solder connection, Male contact, THT/THR solder connection, 180°, Number of poles: 2
Order No.	2735920000
Type	IE-PCB-SPM-P-180-THR
GTIN (EAN)	4050118820164
Qty.	100 pc(s).

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Technical data**Dimensions and weights**

Net weight 3 g

Temperatures

Operating temperature -40 °C...85 °C

General Info

Contact carrier material	LCP	Connection 1	M8 - Male
Connection 2	THR solder connection	Configuration	Reflow compatible
UL 94 flammability rating	V-0	Category	T1-B
Connection thread	M8	Contact material	Copper alloy
Contact surface	Ni/Au	Plugging cycles	≥ 100

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	
Rated voltage	72 V	

General standards

Connector standard IEC 63171-5

Classifications

ETIM 6.0	EC000438	ETIM 7.0	EC003557
ECLASS 9.1	27-44-02-05	ECLASS 10.0	27-44-02-23
ECLASS 11.0	27-44-02-23		

Approvals

ROHS Conform

DownloadsEngineering Data [STEP](#)

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Drawings

