

## IE-PCB-SPM-P-180-THR

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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.	<a href="#">2735920000</a>
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

**Downloads**Engineering Data [STEP](#)

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**Drawings**

