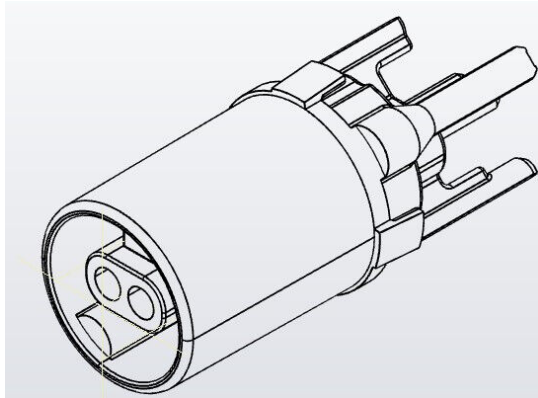


SPE M12F DD RV 2.0 6 RL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**SPElink®****Single Pair Ethernet PCB sockets**

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	, SPE (Single Pair Ethernet), Clip-on flange, THT/THR solder connection, Number of poles: 2, 180°, Ni/Au, black, Tape
Order No.	3180870000
Type	SPE M12F DD RV 2.0 6 RL
GTIN (EAN)	4099987904407
Qty.	111 items
Packaging	Tape

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Technical data

Dimensions and weights

Depth	21.5 mm	Depth (inches)	0.8465 inch
Height	24 mm	Height (inches)	0.9449 inch
Width	10.1 mm	Width (inches)	0.3976 inch
Net weight	3 g		

System specifications

Number of poles	2	Mounting onto the PCB	THT/THR solder connection
Shielding	Yes	Side termination, characteristic	Clip-on flange
Transmission rate	10/100/1000 MBit/s	Type of connection	Solder connection
Category	T1-B	Protection degree	IP67 with housing
Plugging cycles	≥ 100	Outgoing elbow	180°
Performance-Category	T1-B 10/100/1000 MBit/s	Soldering process	Reflow soldering, Manual soldering, Wave soldering
Solder pin dimensions	Octagonal		

Electrical properties

Dielectric strength, contact / shield	2250 V DC	Dielectric strength, contact / contact	1000 V DC
Insulation resistance	≥ 500 MΩ	Nominal voltage	72 V

Standards

Connector standard	IEC 63171-5
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Material data

Insulating material	LCP	Colour	black
Colour chart (similar)	RAL 9011	Insulation resistance	≥ 500 MΩ
Moisture Level (MSL)	1	UL 94 flammability rating	V-0
Contact material	Copper alloy	Contact surface	Ni/Au
Operating temperature, min.	-40 °C	Operating temperature, max.	85 °C

Packing

Packaging	Tape	VPE length	0.00 mm
VPE width	0.00 mm	VPE height	0.00 mm

Important note

Notes

Classifications

ETIM 8.0	EC002637	ETIM 9.0	EC002637
ETIM 10.0	EC002637	ECLASS 14.0	27-46-02-01
ECLASS 15.0	27-46-02-01		

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Drawings

