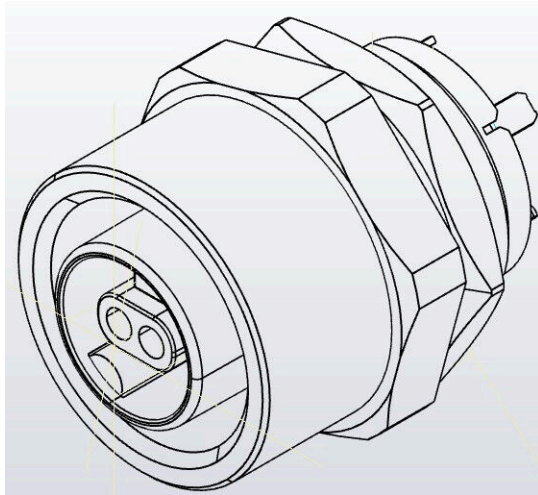


SPE M12F DC FPM16 RV 2.0 6 TY**Weidmüller Interface GmbH & Co. KG**

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	PCB plug-in connector, SPE (Single Pair Ethernet), Clip-on flange, THT/THR solder connection, Number of poles: 2, 180°, Ni/Au, black, Tape
Order No.	3228130000
Type	SPE M12F DC FPM16 RV 2.0 6 TY
Qty.	
Packaging	Tape

SPE M12F DC FPM16 RV 2.0 6 TY

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	14.5 mm	Depth (inches)	0.5709 inch
Height	24 mm	Height (inches)	0.9449 inch
Width	10.1 mm	Width (inches)	0.3976 inch

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	Product family	OMNIMATE Data - Single Pair Ethernet
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
--------------------	-------------

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
-----------	------

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		

SPE M12F DC FPM16 RV 2.0 6 TY

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings

