

IE-PS-SPO-S-FH-180

Weidmüller Interface GmbH & Co. KG

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Germany

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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 IDC plug, IEC 63171-2, CAT B (ISO/IEC 63171), IP20
Order No.	2726040000
Type	IE-PS-SPO-S-FH-180
GTIN (EAN)	4050118810790
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight 9 g

Temperatures

Operating temperature -40 °C...85 °C

General data

Material locking lever	Stainless steel	Material strain relief	PC UL 94 V0
Connection 1	SPE-Plug acc. to IEC 63171-2	Connection 2	IDC
UL 94 flammability rating	V-0	Colour	silver
Housing main material	zinc diecast nickel-plated	Insulation cross-section, min.	0.85
Insulation cross-section, max.	1.6	Category	CAT B (ISO/IEC 63171)
Contact material	Bronze tin-plated	Sheath diameter, min.	3.6 mm
Sheath diameter, max.	5.7 mm	Shielding material	bronze tin-plated
Protection degree	IP20	Plugging cycles	750
Material insulator	PC UL94 V0	Ability to reconnect	≤ 4 cycles (with the same cross-section)

Electrical properties

Contact resistance	≤ 20 mΩ		
Current-carrying capacity	Current-carrying capacity	1.4 A	
	Temperature	60 °C	
Dielectric strength, contact / contact	≥ 1000 V DC		
Dielectric strength, contact / shield	≥ 1500 V DC		
Insulation strength	≥ 500 MΩ		
PoE / PoE+	PoDL acc. to IEEE 802.3bu / cg		
Rated current	2 A		

General standards

Application-specific communication cable facilities	ISO/IEC 11801-1 Amd.1, ISO/IEC 11801-3 Amd.1, ISO/IEC 11801-6 Amd.1	Connector standard	IEC 63171-2
Network standard	IEEE 802.3bw (100 BaseT1), IEEE 802.3cg (10BaseT1), IEEE 802.3bp (1000 BaseT1)		

Classifications

ETIM 6.0	EC001121	ETIM 7.0	EC001121
ETIM 8.0	EC001121	ECLASS 9.1	27-44-01-90
ECLASS 10.0	27-44-01-90	ECLASS 11.0	27-44-01-90

Approvals

ROHS Conform

Downloads

Engineering Data [CAD data – STEP](#)
 Catalogues [Catalogues in PDF-format](#)

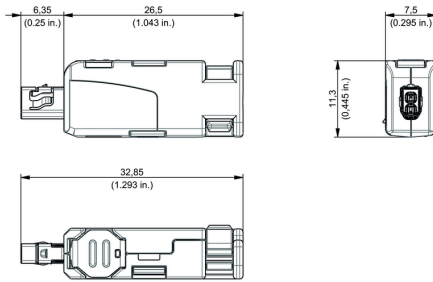
Creation date March 11, 2022 7:15:06 PM CET

Catalogue status 11.02.2022 / We reserve the right to make technical changes.

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Drawings**Detailed drawing****Pinning**