

## IE-PS-SP0-S-FH-180

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

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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	SPE IDC plug, IEC 63171-2, IP20
Order No.	<a href="#">2726040000</a>
Type	IE-PS-SP0-S-FH-180
GTIN (EAN)	4050118810790
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Net weight	9 g
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## Temperatures

Operating temperature	-40 °C...85 °C
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## 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	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	4 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
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## Downloads

Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

Creation date March 23, 2022 10:46:57 AM CET

Catalogue status 22.03.2022 / We reserve the right to make technical changes.

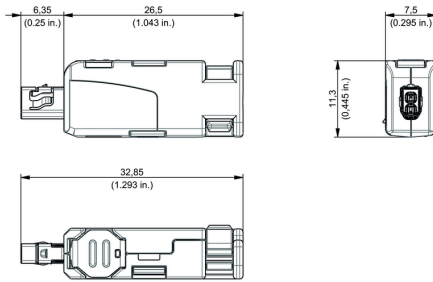
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# Drawings

### Detailed drawing



### Pinning

