

IE-AD-SP0-P-SPM-P-90

Weidmüller Interface GmbH & Co. KG
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SPElink[®]

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	Single Pair Ethernet, Adapter, SPE socket acc. to IEC 63171-2, M8 socket male contact, T1-B, IEC 63171-2, IEC 63171-5, IP65 (in plugged condition)
Order No.	281440000
Type	IE-AD-SP0-P-SPM-P-90
GTIN (EAN)	4064675299110
Qty.	10 items

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Technical data

Approvals

ROHS Conform

Dimensions and weights

Net weight 4.2 g

Temperatures

Storage temperature Operating temperature -40 °C...85 °C
 Installation temperature

Environmental Product Compliance

RoHS Compliance Status Compliant with exemption
 RoHS Exemption (if applicable/known) 6c
 REACH SVHC Lead 7439-92-1
 SCIP d1193a9e-dc7c-484a-ba48-176711eb392b

General data

Outlet direction	90°	Connection 1	SPE socket acc. to IEC 63171-2
Connection 2	M8 socket male contact	UL 94 flammability rating	V-0
Housing main material	PA 66	Category	T1-B
Contact material	Cu	Contact surface	Ni/Au
Protection degree	IP65 (in plugged condition)	Plugging cycles	750

Electrical properties

Dielectric strength, contact / shield	2250 V DC	Dielectric strength, contact / contact	≥ 1000 V DC
Insulation resistance	≥ 500 MΩ	Rated current	3.5 A at 0°C
PoE / PoE+	PoDL acc. to IEEE 802.3bu / cg	Operational voltage range	≤ 50 V AC, ≤ 60 V DC

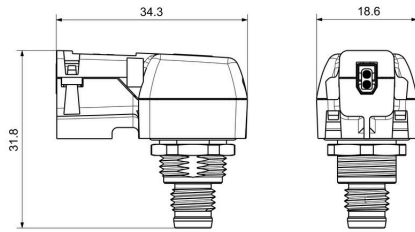
General standards

Connector standard IEC 63171-2, IEC 63171-5

Classifications

ETIM 8.0	EC000313	ETIM 9.0	EC000313
ETIM 10.0	EC000313	ECLASS 14.0	27-44-03-20
ECLASS 15.0	27-44-03-20		

Derating curve



Level I gem. IEC 63171

