

IE-AD-SP0-P-SPM-P-90**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**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.	2814400000
Type	IE-AD-SP0-P-SPM-P-90
GTIN (EAN)	4064675299110
Qty.	10 pc(s).

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Net weight	4.2 g
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Temperatures

Operating temperature	-40 °C...85 °C
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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 / contact	≥ 1000 V DC	Dielectric strength, contact / shield	2250 V DC
Insulation strength	≥ 500 MΩ	Operational voltage range	≤ 50 V AC, ≤ 60 V DC
PoE / PoE+	PoDL acc. to IEEE 802.3bu / cg	Rated current	3.5 A at 0°C

General standards

Connector standard	IEC 63171-2, IEC 63171-5
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Classifications

ETIM 7.0	EC000313	ETIM 8.0	EC000313
ETIM 9.0	EC000313	ECLASS 10.0	27-44-03-20
ECLASS 11.0	27-44-03-20	ECLASS 12.0	27-44-03-20
ECLASS 13.0	27-44-03-20		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	d1193a9e-dc7c-484a-ba48-176711eb392b

Approvals

ROHS	Conform
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Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

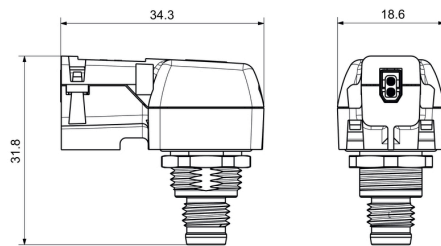
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Drawings

Derating curve



Level I gem. IEC 63171

