

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

Klingenbergstraße 26

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Germany

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	Single Pair Ethernet, Adapter, SPE socket acc. to IEC 63171-2, M8 socket male contact, CAT B (ISO/IEC 63171), 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.	1 pc(s).

IE-AD-SPO-P-SPM-P-90

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Technical data

Dimensions and weights

Net weight	42 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	CAT B (ISO/IEC 63171)
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	4 A

General standards

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

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

Downloads

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

Data sheet

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Drawings

