

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

Klingenbergstraße 26

D-32758 Detmold

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	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.	<a href="#">2814400000</a>
Type	IE-AD-SPO-P-SPM-P-90
GTIN (EAN)	4064675299110
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Net weight 42 g

**Temperatures**

Operating temperature -40 °C...85 °C

**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

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

**Data sheet**

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**Drawings**

