

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 |

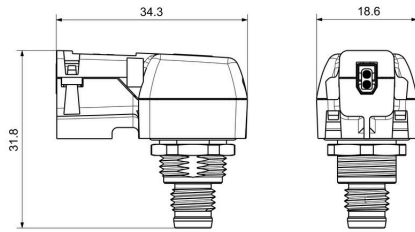
General standards

| | |
|--------------------|--------------------------|
| 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

