IE-S1DS2VE0050TM1TM1-E

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	Patch cable, M8 SPE (IEC63171-5) - IP67 socket contact - straight, M8 SPE (IEC63171-5) - IP67 socket contact - straight, T1-B, PVC, 5 m
Order No.	2726050050
Type	IE-S1DS2VE0050TM1TM1-E
GTIN (EAN)	4064675597438
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	5 m	Length (inches)	196.85 inch
Net weight	126 g		

Temperatures

Operating temperature	-40 °C...85 °C

Electrical properties

Current-carrying capacity	Current-carrying capacity	3.5 A
	Temperature	0 °C
Dielectric strength, contact / contact	1000 V DC	
Dielectric strength, contact / shield	2250 V DC	
PoE / PoE+	PoDL acc. to IEEE 802.3bu / cg	

Standards

Connector standard	IEC 63171-5

Cable structure

Colour coding	white / blue	Complete shielding	Shielding braid made from copper wiring
Cross-section	2*AWG 22	Insulation	PE
Insulation diameter 2	1.65 mm	Material sheath	PVC
Number of wires	2	Overlap of shielding braid	80 %
Sheath diameter, max.	5.3 mm	Sheath diameter, min.	4.9 mm
Sheathing colour	black	Shielding	STP
Strands	7		

Electrical properties of cable

Capacity at 800 Hz	1.6 nF/km	Category	T1-B
Characteristic impedance	100 ± 15 Ω at 20 MHz	Coupling attenuation 1 to 600 MHz	Type I
Rated current	3.5 A	Rated voltage (DC)	60 V
Resistance differential	2 %	Test voltage: wire-wire-shield	1 kV DC, 1 min
Transmission rate	10/100 MBit/s, 1000 MBit/s		

Mechanical and material properties of cable

Colour	black	Halogen	Yes
Resistance to oils	IRM 902/903 oil resistance test at (70°Cx4h)	Resistance to spread of flame	FT1
UV-resistant	Complies with UL 1581 Sec. 1200		

Plug, left

Connector left	M8 SPE (IEC63171-5) - IP67 socket contact - straight

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Technical data

Plug, right

Connector right	M8 SPE (IEC63171-5) - IP67 socket contact - straight	Housing main material	Elastollan

Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	EC002599
ECLASS 9.0	27-06-03-08	ECLASS 9.1	27-06-03-08
ECLASS 10.0	27-06-03-08	ECLASS 11.0	27-06-03-08
ECLASS 12.0	27-06-03-08	ECLASS 13.0	27060308

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

Approvals

Approvals	CE
ROHS	Conform

Downloads

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

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Drawings

