

S-KIT SPE CONNECTORS EN/DE

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
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 Germany

www.weidmueller.com



SPElink®

Single Pair Ethernet PCB sockets

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	Sample kit
Order No.	2816640000
Type	S-KIT SPE CONNECTORS EN/DE
GTIN (EAN)	4064675312840
Qty.	1 items
Packaging	Plastic box
Delivery status	This article will no longer be available in the future.
Last order date	2026-06-30T00:00:00+02:00

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Technical data

Dimensions and weights

Depth	1 mm	Depth (inches)	0.0394 inch
Height	1 mm	Height (inches)	0.0394 inch
Width	1 mm	Width (inches)	0.0394 inch
Net weight	47.52 g		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

System specifications

Number of poles	1	Solder pin length (l)	1 mm
Mounting onto the PCB	THT/THR solder connection	Shielding material	CuSn
Shielding	Yes	Side termination, characteristic	Clip-on flange
Transmission rate	10/100/1000 MBit/s	Number of solder pins per pole	1
Category	T1-B	Protection degree	IP20
Plugging cycles	100	Outgoing elbow	90°, 180°, 270°
Shield surface	tinned	Shield tabs	none
Performance-Category	T1-B 10/100/1000 MBit/s	Soldering process	Reflow soldering, Manual soldering, Wave soldering
Solder pin dimensions	Octagonal		

Electrical properties

Insulation resistance	≥ 500 MΩ	Nominal voltage	72 V
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Standards

Connector standard	IEC 63171-2
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Material data

Insulating material	LCP	Colour	black
Colour chart (similar)	RAL 9011	Insulation resistance	≥ 500 MΩ
Moisture Level (MSL)	1	UL 94 flammability rating	V-0
Contact base material	CuMg	Contact material	Copper alloy
Contact surface	Ni/Au	Layer structure of solder connection	2...4 μm Ni / ≥ 0.25 μm Au
Operating temperature, min.	-40 °C	Operating temperature, max.	85 °C

Packing

Packaging	Plastic box	VPE length	105.00 mm
VPE width	61.00 mm	VPE height	32.00 mm

Important note

Notes

Classifications

ETIM 8.0	EC002637	ETIM 9.0	EC002637
ETIM 10.0	EC002637	ECLASS 14.0	27-46-02-01
ECLASS 15.0	27-46-02-01		