Industrial Ethernet
IE-PS-RJ45-FH-BK-A

Weidmüller Interface GmbH & Co. KG
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RJ45 plug-in connector (tool-less) according to IEC 60603-7-51 for wire outer diameters up to 1.6 mm

General ordering data

Type	IE-PS-RJ45-FH-BK-A
Order No.	1132040000
Version	RJ45 plug, no tools required, Cat.6_A / Class E_A (ISO/IEC 11801 2010), 8-core, EIA/TIA T568 A
GTIN (EAN)	4032248912155
Qty.	10 pc(s).

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Technische Daten

Dimensions and weights

Net weight	26.9 g

Temperatures

Operating temperature	-40 °C...+70 °C	Storage temperature	
Installation temperature			

Downloads

CC-Link certification	CC-Link IE-PS-RJ45-FH-BK.PDF	Installation video	STEADYTEC® assembly instruction RJ45 field attachable connector _EN_640_480.mp4

General data

Category	Cat.6_A / Class E_A (ISO/IEC 11801 2010)	Connection 1	RJ45
Connection 2	IDC	Contact material	Phosphorus bronze
Contact surface	Gold over nickel	Housing main material	Zinc diecast
Insertion force	≤ 30 N	Insulation cross-section, max.	1.6 mm
Insulation cross-section, min.	0.85 mm	MICE classification C	C_1
MICE classification E	E_3	MICE classification I	I_1
MICE classification M	M_1	Plugging cycles	750
Protection degree	IP 20	Sheath diameter, max.	8.5 mm
Sheath diameter, min.	5.5 mm	Shielding	360° all-round enclosure
Speed	10 GBit	Wire connection diameter, flexible, max.	0.76 mm
Wire connection diameter, flexible, min.	0.48 mm	Wire connection diameter, solid, max.	0.64 mm
Wire connection diameter, solid, min.	0.4 mm	Wire cross-section, finely stranded, max. (AWG)	AWG 22
Wire cross-section, finely stranded, min. (AWG)	AWG 26	Wire cross-section, solid, max. (AWG)	AWG 22
Wire cross-section, solid, min. (AWG)	AWG 24	Wiring	8-core, EIA/TIA T568 A

Electrical properties

Contact resistance	≤ 20 mΩ	Current-carrying capacity at 50 °C	1 A
Dielectric strength, contact contact	≥ 1000 V DC	Dielectric strength, contact shield	≥ 1500 V DC
Insulation resistance	> 500 MΩ	PoE PoE+	conforming to IEEE 802.3at

Standards

Generic communication cable facilities	ANSI / TIA / EIA-568-B.2-10, DIN EN 61918 Draft 02.2007, ISO / IEC 11801:2002, ISO / IEC 24702:2006	Application-specific communication cable facilities	PROFINET installation instructions
IP protection classes	IEC 60529	Connector standard	IEC 60603-7-51
UL standard for communication accessories	UL 1863		

Classifications

eClass 6.2	27-25-05-04	eClass 7.1	27-25-05-04

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Approvals

Approvals	ME25
ROHS	Conform

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Zeichnungen

Printing



Dimensioned drawing

