

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

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
Order No.	1963600000
Version	RJ45 plug, no tools required, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), 8-core, 4-core, EIA/TIA T568 A, EIA/TIA T568 B, PROFINET
GTIN (EAN)	4032248645725
Qty.	10 pc(s).

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Technische Daten

Dimensions and weights

Net weight 27.5 g

Temperatures

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

Downloads

Attestation of conformity ISO/IEC EN & TIA/EIA Screened Class EA Category 6A, 4 connector channel	z1755b-07-E.pdf	CC-Link certification	CC-Link IE-PS-RJ45-FH-BK.PDF
GOST Approval	POCC DE.ME25.B01411.pdf	Installation video	STEADYTEC® assembly instruction RJ45 field attachable connector _EN_640_480.mp4
PROFINET Manufacturer's Declaration	PN Manufacturer Declaration.pdf	UL Approval	DUXR.E316369.pdf

General data

Category	Cat.6 _A / Class E _A (ISO/IEC 11801 2010)	Configuration	Eight-wire field-assembled RJ45 plug with colour coding on the plug, TIA A/B/ProfiNet, multiport-ready
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, 4-core, EIA/TIA T568 A, EIA/TIA T568 B, PROFINET		

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

Datenblatt

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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	Certificate no. (cULus)	E316369

Classifications

ETIM 3.0	EC001121	UNSPSC	30-21-18-10
eClass 5.1	27-26-07-08	eClass 6.2	27-25-05-04
eClass 7.1	27-25-05-04		

Approvals

Approvals



ROHS

Conform

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Zeichnungen

Printing



Dimensioned drawing

