

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

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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.	<a href="#">196360000</a>
Version	RJ45 plug, no tools required, Cat.6 <sub>A</sub> / Class E <sub>A</sub> (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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## Technical data

### 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

Ability to reconnect	≥ 10 cycles (for the same or larger cross-section)	Category	Cat.6 <sub>A</sub> / Class E <sub>A</sub> (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 <sub>1</sub>
MICE classification E	E <sub>3</sub>	MICE classification I	I <sub>1</sub>
MICE classification M	M <sub>1</sub>	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

**Data sheet**

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**Technical data**

**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	ETIM 4.0	EC001121
ETIM 5.0	EC001121	ETIM 6.0	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
eClass 8.1	19-17-01-25	eClass 9.0	19-17-01-25

**Approvals**

Approvals



ROHS

Conform

**Data sheet**

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**Drawings**

**Printing**



**Dimensioned drawing**

