

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

**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-B
Order No.	<a href="#">1132050000</a>
Version	RJ45 plug, no tools required, Cat.6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010), 8-core, EIA/TIA T568 B
GTIN (EAN)	4032248912148
Qty.	10 pc(s).

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**Technical data**
**Dimensions and weights**

Net weight 25.6 g

**Temperatures**

Operating temperature, max.	70 °C	Operating temperature, min.	-40 °C
Operating temperature	-40 °C...70 °C	Storage temperature	
Installation temperature			

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**General data**

Fire load	77 kJ	Halogen	No
Connection 1	RJ45	Connection 2	IDC
Wiring	8-core, EIA/TIA T568 B	Housing main material	Zinc diecast
Speed	10 GBit/s	Insulation cross-section, min.	0.85 mm
Insulation cross-section, max.	1.6 mm	Category	Cat.6A / Class E <sub>A</sub> (ISO/IEC 11801 2010)
Contact material	Phosphorus bronze	Contact surface	Gold over nickel
Connection diameter, solid	0.41...0.64 mm	Conductor connection cross-section, solid (AWG)	AWG 26/1...AWG 22/1
Wire cross-section, solid, min.	0.128 mm <sup>2</sup>	Wire cross-section, solid, max.	0.324 mm <sup>2</sup>
Conductor connection cross-section, solid	0.13...0.32 mm <sup>2</sup>	Connection diameter, flexible	0.48...0.76 mm
Conductor connection cross-section, flexible (AWG)	AWG 26/7...AWG 22/7	Wire connection cross-section, finely stranded, min.	0.141 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	0.355 mm <sup>2</sup>	Conductor connection cross-section, flexible	0.14...0.35 mm <sup>2</sup>
Conductor connection cross-section, extremely flexible	, Approval of the cable by Weidmüller necessary	Conductor connection cross-section, extremely flexible (AWG)	, Approval of the cable by Weidmüller necessary
MICE classification M	M <sub>1</sub>	MICE classification I	I <sub>1</sub>
MICE classification C	C <sub>1</sub>	MICE classification E	E <sub>3</sub>
Sheath diameter, min.	5.5 mm	Sheath diameter, max.	8.5 mm
Shielding	360° all-round enclosure	Protection degree	IP20
Insertion force	≤ 30 N	Plugging cycles	750
Material insulator	PA UL94-V0	Ability to reconnect	≥ 10 cycles (for the same or larger cross-section)

**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

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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 4.0	EC001264	ETIM 5.0	EC001264
ETIM 6.0	EC001121	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	eClass 9.1	27-44-03-90

### Product information

Descriptive text technical data Approvals available on request

### Approvals

Approvals



ROHS Conform

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">DUXR.E316369</a> <a href="#">CC-Link IE-PS-RJ45-FH-BK</a>
Brochure/Catalogue	<a href="#">CAT 9 IETH 15/16 EN</a> <a href="#">MB FREECONTACT EN</a> <a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a> <a href="#">Manual</a>

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**Drawings**

**Printing**



**Dimensioned drawing**

