

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

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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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.	196360000
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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Technical data
Dimensions and weights

Net weight 17.831 g

Temperatures

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

General data

Fire load	77 kJ	Halogen	No
Connection 1	RJ45	Connection 2	IDC
Configuration	Eight-wire field-assembled RJ45 plug with colour coding on the plug, TIA A/B/ProfiNet, multiport-ready	Wiring	8-core, 4-core, EIA/TIA T568 A, EIA/TIA T568 B, PROFINET
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.6 _A / Class E _A (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	Connection diameter, flexible	0.48...0.76 mm
Conductor connection cross-section, flexible (AWG)	AWG 26/7...AWG 22/7	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 ₁
MICE classification I	I ₁	MICE classification C	C ₁
MICE classification E	E ₃	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

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 60603-7-5.1
UL standard for communication accessories	UL 1863	Certificate no. (cULus)	E316369

Data sheet

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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

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
eClass 9.1	27-44-09-90		

Product information

Descriptive text technical data	Approvals available on request
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Approvals

Approvals



ROHS	Conform
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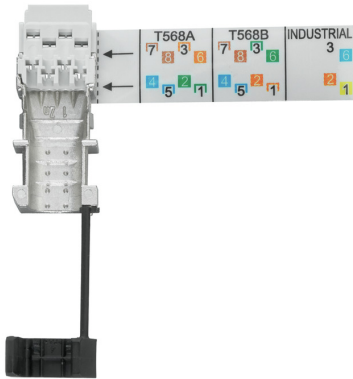
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Drawings

Printing



Dimensioned drawing

