

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

Weidmüller Interface GmbH & Co. KG
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RJ45 crimp plug-in connector according to IEC
60603-7-51 for wire outer diameters up to 1.05 mm

General ordering data

Type	IE-PS-RJ45-TH-BK
Order No.	1963590000
Version	RJ45 crimp plug, Plug with bending protection sleeve in black, Cat.6 _A / Class E _A (ISO/IEC 11801 2010)
GTIN (EAN)	4032248645695
Qty.	10 pc(s).

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Technical data**Dimensions and weights**

Net weight	10.2 g
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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
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General data

Connection 1	RJ45	Connection 2	IDC
Description of article		Configuration	Connects piercing contacts and shielded connections in one step, retro-fit for kink-prevention sleeves, Multi-port compatible
	Plug with bending protection sleeve in black		
Colour	Miscellaneous	Housing main material	Brass, PC UL 94 V0
Insulation cross-section, min.	0.85 mm	Insulation cross-section, max.	1.05 mm
Cable pull-out force, min.	89 N	Category	Cat.6 _A / Class E _A (ISO/IEC 11801 2010)
Contact material	Phosphorus bronze	Contact surface	Gold-plated
Connection diameter, solid	0.36...0.51 mm	Conductor connection cross-section, solid (AWG)	AWG 27...AWG 24
Connection diameter, flexible	0.46...0.61 mm	Conductor connection cross-section, flexible (AWG)	AWG 27...AWG 24
MICE classification M	M ₁	MICE classification I	I ₁
MICE classification C	C ₁	MICE classification E	E ₃
Sheath diameter, min.	5 mm	Sheath diameter, max.	7.3 mm
Bending protection sleeve material	Polycarbonate PC, UL 94 V-0	Shielding material	0.5 mm brass, 2 µm nickel
Shielding	360° all-round enclosure	Protection degree	IP20
Plugging cycles	750	Material insulator	Polycarbonate PC, UL 94 V-0

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 802.3af

Standards

Connector standard	IEC 60603-7-51	Certificate No. (cURus)	E316369
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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		

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	GOST Approval C-Link IE-PS-RJ45-TH-BK UL Approval
Brochure/Catalogue	CAT 9 IETH 15/16 EN MB FREECONTACT EN FL FIELDWIRING EN PI PROFINET CABLING EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

Data sheet**Industrial Ethernet
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Drawings**Dimensioned drawing**