

IE-PS-RJ45-TH-BK

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



RJ45 crimp plug-in connector according to IEC
60603-7-51 for wire outer diameters up to 1.05 mm

General ordering data

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

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Catalogue status 03.02.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Net weight	10.2 g
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Temperatures

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

General data

Connection 1	RJ45	Connection 2	Crimp
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	Insulation cross-section, min.	0.85 mm
Insulation cross-section, max.	1.05 mm	Cable pull-out force, min.	89 N
Category	Cat.6A / Class EA (ISO/IEC 11801 2010)	Contact material	Phosphorus bronze
Contact surface	Gold-plated	Connection diameter, solid	0.36...0.51
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 strength	500 MΩ	PoE / PoE+	conforming to IEEE 802.3af

General standards

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

ETIM 6.0	EC001121	ETIM 7.0	EC001121
ETIM 8.0	EC001121	ECLASS 9.0	27-44-03-90
ECLASS 9.1	27-44-03-90	ECLASS 10.0	27-44-03-90
ECLASS 11.0	27-44-03-90	ECLASS 12.0	27-44-03-90

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E316369

Downloads

Approval/Certificate/Document of Conformity	GOST Approval ISO/IEC EN and TIA/EIA Screened Class EA Category 6A, 4 connector channel C-Link IE-PS-RJ45-TH-BK UL Approval
Engineering Data	CAD data – STEP
Engineering Data	WSCAD, Zuken E3.S
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN Manual
Catalogues	Catalogues in PDF-format
Brochures	MB FREECONTACT EN FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN

Data sheet

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Drawings

Dimensioned drawing

