

**Industrial Ethernet
IE-PS-RJ45-TH-BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

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

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 code	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.6A / Class EA (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 strength	500 MΩ	PoE / PoE+	conforming to IEEE 802.3at

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	27-44-03-90
eClass 9.1	27-44-03-90		

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

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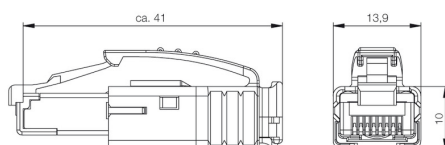
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Drawings

Dimensioned drawing



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Accessories

Antikink bushings



Weidmüller IP 20 plug-in connectors in the crimp version are best used together with the antikink grommets available in various colours to help identify the plugs as well as protect locking levers and prevent strain on the cables.

Features:

- 7 different colours

Antikink bushings

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
IE-PH-RJ45-TH-WH	1962430000	Bending protection sleeve, white	4032248644469	10 pc(s).
IE-PH-RJ45-TH-YE	1962480000	Bending protection sleeve, yellow	4032248644612	10 pc(s).
IE-PH-RJ45-TH-GN	1962490000	Bending protection sleeve, green	4032248644629	10 pc(s).
IE-PH-RJ45-TH-OG	1962450000	Bending protection sleeve, orange	4032248644483	10 pc(s).
IE-PH-RJ45-TH-BU	1962470000	Bending protection sleeve, blue	4032248644506	10 pc(s).
IE-PH-RJ45-TH-BK	1962500000	Bending protection sleeve, black	4032248644636	10 pc(s).
IE-PH-RJ45-TH-GY	1962440000	Bending protection sleeve, grey	4032248644476	10 pc(s).

... for modular plug-in connectors



Crimping tools for modular plug-in connector systems WE and DEC

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- Three functions in one tool

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
TT 8 RS MP 8	9202800000	Pressing tools, Crimping tool for contacts	4032248512072	1 pc(s).