

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

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
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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.	<a href="#">1963590000</a>
Version	RJ45 crimp plug, Plug with bending protection sleeve in black, Cat.6 <sub>A</sub> / Class E <sub>A</sub> (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

**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**

Connection 1	RJ45	Connection 2	IDC
Description of article	Plug with bending protection sleeve in black	Configuration	Connects piercing contacts and shielded connections in one step, retro-fit for kink-prevention sleeves, Multi-port compatible
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.6 <sub>A</sub> / Class E <sub>A</sub> (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 <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 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 60603-7-5 1	Certificate No. (cURus)	E316369
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**Technical data****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	<a href="#">GOST Approval</a> <a href="#">C-Link IE-PS-RJ45-TH-BK</a> <a href="#">UL Approval</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>

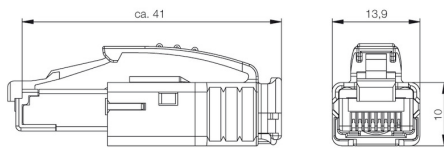
**Data sheet**

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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	<a href="#">1962430000</a>	Bending protection sleeve, white	4032248644469	10 pc(s).
IE-PH-RJ45-TH-YE	<a href="#">1962480000</a>	Bending protection sleeve, yellow	4032248644612	10 pc(s).
IE-PH-RJ45-TH-GN	<a href="#">1962490000</a>	Bending protection sleeve, green	4032248644629	10 pc(s).
IE-PH-RJ45-TH-OG	<a href="#">1962450000</a>	Bending protection sleeve, orange	4032248644483	10 pc(s).
IE-PH-RJ45-TH-BU	<a href="#">1962470000</a>	Bending protection sleeve, blue	4032248644506	10 pc(s).
IE-PH-RJ45-TH-BK	<a href="#">1962500000</a>	Bending protection sleeve, black	4032248644636	10 pc(s).
IE-PH-RJ45-TH-GY	<a href="#">1962440000</a>	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	<a href="#">9202800000</a>	Pressing tools, Crimping tool for contacts	4032248512072	1 pc(s).

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