

**IE-PM-RJ45-TH****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 without bending protection sleeve, Cat.6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010)
Order No.	<a href="#">1963580000</a>
Type	IE-PM-RJ45-TH
GTIN (EAN)	4032248645688
Qty.	100 pc(s).

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## Technical data

## Dimensions and weights

Net weight	3.46 g
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## Temperatures

Operating temperature	-40 °C...70 °C
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## 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 without bending protection sleeve		
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 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 AC/DC	Dielectric strength, contact / shield	≥ 1500 V AC/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	ETIM 9.0	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	ECLASS 13.0	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	<a href="#">GOST Approval</a> <a href="#">ISO/IEC EN and TIA/EIA Screened Class EA Category 6A, 4 connector channel</a> <a href="#">C-Link IE-PS-RJ45-TH-BK</a> <a href="#">UL Approval</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a> <a href="#">Manual</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">MB FREECONCONTACT EN</a> <a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a> <a href="#">PI PROFINET CABLING EN</a>

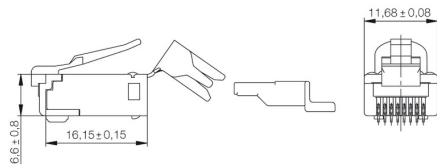
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## Drawings

### Dimensioned drawing



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## Accessories

## ... 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	TT 8 RS MP 8	Version
Order No.	<a href="#">9202800000</a>	Pressing tools, Crimping tool for contacts
GTIN (EAN)	4032248512072	
Qty.	1 pc(s).	

**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

**General ordering data**

Type	IE-PH-RJ45-TH-GN	Version
Order No.	<a href="#">1962490000</a>	Bending protection sleeve, green
GTIN (EAN)	4032248644629	
Qty.	10 pc(s).	
Type	IE-PH-RJ45-TH-BU	Version
Order No.	<a href="#">1962470000</a>	Bending protection sleeve, blue
GTIN (EAN)	4032248644506	
Qty.	10 pc(s).	
Type	IE-PH-RJ45-TH-OG	Version
Order No.	<a href="#">1962450000</a>	Bending protection sleeve, orange
GTIN (EAN)	4032248644483	
Qty.	10 pc(s).	
Type	IE-PH-RJ45-TH-WH	Version
Order No.	<a href="#">1962430000</a>	Bending protection sleeve, white
GTIN (EAN)	4032248644469	
Qty.	10 pc(s).	
Type	IE-PH-RJ45-TH-BK	Version
Order No.	<a href="#">1962500000</a>	Bending protection sleeve, black
GTIN (EAN)	4032248644636	
Qty.	10 pc(s).	

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Type	IE-PH-RJ45-TH-GY	Version
Order No.	<a href="#">1962440000</a>	Bending protection sleeve, grey
GTIN (EAN)	4032248644476	
Qty.	10 pc(s).	
Type	IE-PH-RJ45-TH-YE	Version
Order No.	<a href="#">1962480000</a>	Bending protection sleeve, yellow
GTIN (EAN)	4032248644612	
Qty.	10 pc(s).	

**Dust caps**

For protecting your devices against dust and dirt.

**General ordering data**

Type	IE-PP-RJ45
Order No.	<a href="#">2552580000</a>
GTIN (EAN)	4050118562583
Qty.	10 pc(s).