

**IE-PM-RJ45-TH****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 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

