

**Industrial Ethernet
IE-PM-RJ45-TH**

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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-PM-RJ45-TH
Order No.	1963580000
Version	RJ45 crimp plug, Plug without bending protection sleeve, Cat.6 _A / Class E _A (ISO/IEC 11801 2010)
GTIN (EAN)	4032248645688
Qty.	100 pc(s).

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Catalogue status 24.07.2020 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Net weight	3.46 g
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Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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General data

Connection 1	RJ45	Connection 2	IDC
Description of article	Plug without bending protection sleeve	Configuration	Connects piercing contacts and shielded connections in one step, retro-fit for kink-prevention sleeves, Multi-port compatible
Colour	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 E _A (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 802.3af

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
eClass 9.0	27-44-03-90	eClass 9.1	27-44-03-90
eClass 10.0	27-44-03-90	UNSPSC	30-21-18-10

Data sheet**Industrial Ethernet
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Technical data**Approvals**

Approvals



ROHS

Conform

DownloadsApproval/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](#)

Brochure/Catalogue

[CAT 9 IETH 18/19 EN](#)
[MB FREECONTACT EN](#)
[FL FIELDWIRING EN](#)
[PI PROFINET CABLING EN](#)

Engineering Data

[WSCAD](#)

User Documentation

[MAN IE GUIDE DE](#)
[MAN IE GUIDE EN](#)
[Manual](#)

Data sheet

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Drawings

Dimensioned drawing

