

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

RJ45 inserts for plug-in connectors ver.1 / 4 / 5 / 14,
HDC and junction boxes IE-OM...; IE-OP...; IE-CC...

General ordering data

Version	Plug insert RJ45 IDC, Plug insert RJ45, crimp
Order No.	1962720000
Type	IE-PI-RJ45-TH
GTIN (EAN)	4032248644834
Qty.	10 pc(s).

IE-PI-RJ45-TH

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Technical data

Dimensions and weights

Net weight	9.62 g
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Temperatures

Operating temperature	-40 °C...70 °C	Humidity	0...93 % rel. humidity
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General data

Connection 1	RJ45	Connection 2	IDC
Description of article	Plug insert RJ45, crimp	Colour	Miscellaneous
Shock resistance acc. to IEC 60512-6-3	250 ms ⁻²	Vibration resistance acc. to IEC 60512-6-4	50 ms ⁻² sinusoidal (9...500 Hz)
Humidity	0...93 % rel. humidity	Housing main material	Brass, PC UL 94 V0
Insulation cross-section, min.	0.85 mm	Insulation cross-section, max.	1.05 mm
Category	Cat.6A / Class E _A (ISO/IEC 11801 2010)	Contact material	Phosphorus bronze
Contact surface	Gold over Nickel, Au ≥ 0.8 µm, Ni 2.54 µm	Connection diameter, solid	0.4...0.51 mm
Conductor connection cross-section, solid (AWG)	AWG 26/1...AWG 24/1	Connection diameter, flexible	0.46...0.61 mm
Conductor connection cross-section, flexible (AWG)	AWG 27/7...AWG 24/7	Sheath diameter, min.	5 mm
Sheath diameter, max.	7.3 mm	Shielding	360° all-round enclosure
Protection degree	IP67 with housing	Plugging cycles	750

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
IP protection classes	IEC 60529	UL standard for communication accessories	UL 1863

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
ECLASS 14.0	27-44-03-90		

Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

Important note

Product information	RJ45 inserts for plug-in connectors ver.1 / 4 / 5 / 14 and HDC
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Creation date August 29, 2024 5:32:59 AM CEST

Catalogue status 17.08.2024 / We reserve the right to make technical changes.

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www.weidmueller.com**Technical data****Approvals**

Approvals



ROHS Conform

UL File Number Search UL Website

Certificate No. (cURus) E316369

DownloadsApproval/Certificate/Document of Conformity [GOST Approval](#)
[ISO/IEC EN and TIA/EIA Screened Class EA Category 6A, 4 connector channel](#)
[CC-Link IE-PI-RJ45-TH](#)Engineering Data [CAD data – STEP](#)User Documentation [MAN IE GUIDE DE](#)
[MAN IE GUIDE EN](#)
[Designation key / Type key](#)Catalogues [Catalogues in PDF-format](#)Brochures [MB FREECONTACT EN](#)
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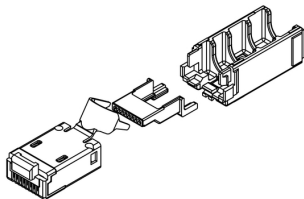
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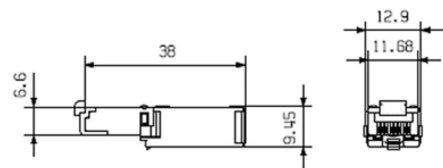
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Drawings

Drawing



Dimensioned drawing



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www.weidmueller.com**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.	9202800000	Pressing tools, Crimping tool for contacts
GTIN (EAN)	4032248512072	
Qty.	1 pc(s).	