

**Industrial Ethernet
IE-PI-RJ45-FH-P**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
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www.weidmueller.com



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

General ordering data

Type	IE-PI-RJ45-FH-P
Order No.	1132030000
Version	Plug insert RJ45 IDC, Plug insert RJ45, no tools required, PROFINET
GTIN (EAN)	4032248912131
Qty.	10 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 3.14 g

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

General data

Fire load	49 kJ	Connection 1	RJ45
Connection 2	IDC	Description of article	Plug insert RJ45, no tools required
Wiring	PROFINET	Colour	Miscellaneous
Housing main material	Zinc diecast	Speed	100 MBit/s
Insulation cross-section, min.	0.85 mm	Insulation cross-section, max.	1.6 mm
Category	Cat.5 (ISO/IEC 11801)	Contact surface	Gold over nickel, Au ≥ 0.8 µm
Connection diameter, solid	0.4...0.64 mm	Conductor connection cross-section, solid (AWG)	AWG 24...AWG 22
Wire cross-section, solid, min.	0.128 mm ²	Wire cross-section, solid, max.	0.324 mm ²
Conductor connection cross-section, solid	0.13...0.32 mm ²	Connection diameter, flexible	0.48...0.76 mm
Conductor connection cross-section, flexible (AWG)	AWG 26...AWG 22	Wire connection cross-section, finely stranded, min.	0.141 mm ²
Wire connection cross section, finely stranded, max.	0.355 mm ²	Conductor connection cross-section, flexible	0.14...0.35 mm ²
Conductor connection cross-section, extremely flexible	, Approval of the cable by Weidmüller necessary	Conductor connection cross-section, extremely flexible (AWG)	, Approval of the cable by Weidmüller necessary
Shielding	360° all-round enclosure	Protection degree	IP67 with housing
Plugging cycles	750	Ability to reconnect	≥ 10 cycles (for the same or larger cross-section)

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

General standards

Certificate No. (cURus)	E471884	Certificate no. (cULus)	E316369
Connector standard	IEC 60603-7-5 1	IP protection classes	IEC 60529
UL standard for communication accessories	UL 1863		

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		

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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	DUXR.E316369 CC-Link IE-PI-RJ45-FH PROFINET Manufacturer's Declaration
Brochure/Catalogue	CAT 9 IETH 18/19 EN CAT 3 HDC 17/18 EN MB FREECONTACT EN FL FIELDWIRING EN PI PROFINET CABLING EN
Product Change Notification	TI_20171120_RJ45PN
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN Designation key / Type key Manual

Data sheet

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Drawings

Printing



Dimensioned drawing

