Data sheet

IE-PI-RJ45-FH-P

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, no tools required, PROFINET
Order No.	1132030000
Type	IE-PI-RJ45-FH-P
GTIN (EAN)	4032248912131
Qty.	10 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E471884
Certificate no. (cULus)	E316369

Dimensions and weights

Net weight	3.14 g

Temperatures

Storage temperature		Operating temperature	-40 °C...70 °C
Installation temperature			

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

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	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	Conductor connection cross-section, solid	0.13...0.32 mm²
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.	0.14 mm²	Conductor connection cross-section, flexible	0.14...0.35 mm²
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
Note, very finely stranded line connection	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	Dielectric strength, contact / shield	≥ 1500 V AC/DC
Dielectric strength, contact / contact	≥ 1000 V AC/DC	Insulation resistance	500 MΩ
Current-carrying capacity at 50 °C	1 A	PoE / PoE+	conforming to IEEE 802.3at

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General standards

Certificate No. (cURus)	E471884	Connector standard	IEC 60603-7-51
UL standard for communication accessories	UL 1863	IP protection classes	IEC 60529
Certificate no. (cULus)	E316369		

Important note

Product information	RJ45 inserts for plug-in connectors ver.1 / 4 / 5 / 14 and HDC

Classifications

ETIM 8.0	EC001121	ETIM 9.0	EC001121
ETIM 10.0	EC001121	ECLASS 14.0	27-44-03-90
ECLASS 15.0	27-44-03-90		

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Drawings

Printing



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Accessories

Pressing tool



When working with live voltages, you must follow special guidelines and use special tools - tools which have been specially produced and tested for this purpose.
Weidmüller offers a complete line of pliers which comply with national and international testing standards.
All pliers are produced and tested according to DIN EN 60900.
The pliers are ergonomically designed to fit to the hand form, and thus feature an improved hand position. The fingers are not pressed together - this results in less fatigue during operation.

General ordering data

Type	PWZ RJ45	Version
Order No.	1118040000	Pressing tools
GTIN (EAN)	4032248899197	
Qty.	1 ST	

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