

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

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
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
Order No.	<a href="#">1962730000</a>
Version	RJ45 insert, Plug insert RJ45, no tools required, TIA-568A, EIA/TIA T568 B, PROFINET
GTIN (EAN)	4032248654017
Qty.	10 pc(s).

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**Technical data**
**Dimensions and weights**

Net weight 22.1 g

**Temperatures**

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

**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	TIA-568A, EIA/TIA T568 B, PROFINET	Colour	Miscellaneous
Housing main material	Zinc diecast	Speed	10 GBit/s
Insulation cross-section, min.	0.85 mm	Insulation cross-section, max.	1.6 mm
Category	Cat.6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010)	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
Connection diameter, flexible	0.48...0.76 mm	Conductor connection cross-section, flexible (AWG)	AWG 26...AWG 22
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 resistance	500 MΩ	PoE / PoE+	conforming to IEEE 802.3at

**Standards**

Generic communication cable facilities	ANSI / TIA / EIA-568-B.2-10, DIN EN 61918 Draft 02.2007, EN 50173-1:2007, ISO / IEC 11801:2002, ISO / IEC 24702:2006	Application-specific communication cable facilities	PROFINET installation instructions
IP protection classes	IEC 60529	Connector standard	IEC 60603-7-51
UL standard for communication accessories	UL 1863	Certificate No. (cURus)	E471884
Certificate no. (cULus)	E316369		

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# Technical data

### Classifications

ETIM 3.0	EC001121	ETIM 4.0	EC001121
ETIM 5.0	EC001121	ETIM 6.0	EC001121
UNSPSC	30-21-18-01	eClass 5.1	27-14-40-17
eClass 6.2	27-25-05-04	eClass 7.1	27-25-05-04
eClass 8.1	19-17-01-25	eClass 9.0	19-17-01-25
eClass 9.1	27-44-09-90		

### Product information

Descriptive text technical data      Approvals available on request

### Approvals

Approvals



ROHS      Conform

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">GOST Approval</a> <a href="#">DUXR.E3.16369</a> <a href="#">CC-Link IE-PI-RJ45-FH</a> <a href="#">PROFINET Manufacturer's Declaration</a>
Brochure/Catalogue	<a href="#">CAT 9 IETH 15/16 EN</a> <a href="#">CAT 3 HDC 17/18 EN</a> <a href="#">MB FREECONCONTACT EN</a> <a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>

**Data sheet**

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**Drawings**

**Printing**

**Dimensioned drawing**

