

## IE-PI-RJ45-FH-A-1.6

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)



RJ45 plug-in connector (no tools required) according to IEC 60603-7-51.

### General ordering data

Version	Substitute wire manager, Cat.6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010), EIA/TIA T568 A
Order No.	<a href="#">1992880000</a>
Type	IE-PI-RJ45-FH-A-1.6
GTIN (EAN)	4050118378030
Qty.	30 pc(s).

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Net weight	4.167 g
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## Temperatures

Operating temperature	-40 °C...85 °C
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## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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## General data

Wiring	EIA/TIA T568 A	Speed	10 GBit
Insulation cross-section, min.	1.1 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
Connection diameter, solid	0.51...0.64 mm	Wire connection diameter, solid, min.	0.51 mm
Conductor connection cross-section, solid (AWG)	AWG 24...AWG 22	Wire connection diameter, solid, max.	0.64 mm
Connection diameter, flexible	0.46...0.76 mm	Wire cross-section, solid, min. (AWG)	AWG 24
Wire cross-section, solid, max. (AWG)	AWG 22	Conductor connection cross-section, flexible (AWG)	AWG 27...AWG 22
Wire connection diameter, flexible, min.	0.46 mm	Wire connection diameter, flexible, max.	0.76 mm
Wire cross-section, finely stranded, min. (AWG)	AWG 27	Wire cross-section, finely stranded, max. (AWG)	AWG 22
Conductor connection cross-section, extremely flexible	0.61...0.78 mm, Approval of the cable by Weidmüller necessary	Conductor connection diameter, very finely stranded, min.	0.61 mm
Conductor connection cross-section, very finely stranded, max.	0.78 mm	Conductor connection cross-section, extremely flexible (AWG)	AWG 24...AWG 22, Approval of the cable by Weidmüller necessary
Conductor connection cross-section, very finely stranded, min. (AWG)	AWG 24	Conductor connection cross-section, very finely stranded, max. (AWG)	AWG 22
Note, very finely stranded line connection	Approval of the cable by Weidmüller necessary	Protection degree	IP20
Ability to reconnect	≤ 4 cycles (with the same 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)	E471884
Connector standard	IEC 60603-7-51		

## 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	ECLASS 11.0	27-44-03-90

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**Data sheet****IE-PI-RJ45-FH-A-1.6****Weidmüller Interface GmbH & Co. KG**  
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**Technical data****Approvals**

Approvals



ROHS	Conform
UL File Number Search	E471884

**Downloads**

User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>
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