

**Industrial Ethernet  
IE-PS-RJ45-FH-90-A-1.6**

**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 plug-in connector (no tools required) according to IEC 60603-7-51 for core diameters from 0.85 to 1.6 mm and AWG 22-27.

**General ordering data**

Type	IE-PS-RJ45-FH-90-A-1.6
Order No.	<a href="#">1992870000</a>
Version	RJ45 plug, no tools required, angled, 4x90°, Cat.6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010), EIA/TIA T568 A
GTIN (EAN)	4050118378054
Qty.	1 pc(s).

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

Net weight	30 g
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**Temperatures**

Operating temperature, max.	85 °C	Operating temperature, min.	-40 °C
Operating temperature	-40 °C...85 °C	Storage temperature	
Installation temperature			

**Environmental Product Compliance**

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

Connection 1	RJ45	Connection 2	Piercing
Wiring	EIA/TIA T568 A	Housing main material	Zinc diecast, nickel-plated
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
Conductor connection cross-section, solid (AWG)	AWG 24...AWG 22	Connection diameter, flexible	0.46...0.76 mm
Conductor connection cross-section, flexible (AWG)	AWG 27...AWG 22	Conductor connection cross-section, extremely flexible	0.61...0.78 mm, Approval of the cable by Weidmüller necessary
Conductor connection cross-section, extremely flexible (AWG)	AWG 24...AWG 22, Approval of the cable by Weidmüller necessary	Sheath diameter, min.	5 mm
Sheath diameter, max.	9 mm	Shielding	360°; all-round enclosure
Protection degree	IP20	Plugging cycles	750

**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

**Standards**

Connector standard	IEC 60603-7-51	Certificate no. (cULus)	E471884
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**Classifications**

ETIM 6.0	EC001121	eClass 6.2	27-25-05-04
eClass 9.0	27-44-03-90	eClass 9.1	27-44-03-90

**Data sheet****Industrial Ethernet  
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**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**

Brochure/Catalogue	<a href="#">CAT 9 IETH 15/16 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</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a> <a href="#">Manual</a>

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**Drawings****Dimensioned drawing**