

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

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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-B-1.6
Order No.	1992890000
Version	RJ45 plug, no tools required, angled, 4x90°, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), EIA/TIA T568 B
GTIN (EAN)	4050118378122
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight 25 g

Temperatures

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

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

General data

Connection 1	RJ45	Connection 2	Piercing
Wiring	EIA/TIA T568 B	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 _A / Class E _A (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

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		

Approvals

Approvals



ROHS Conform

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Data sheet**Industrial Ethernet
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Technical data**Downloads**

Brochure/Catalogue	CAT 9 IETH 18/19 EN MB FREECONTACT EN FL FIELDWIRING EN PI PROFINET CABLING EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN Manual

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Drawings**Dimensioned drawing**