

IE-PS-RJ45-FH-90-B-1.6**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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

General ordering data

Version	RJ45 plug with piercing contacts, angled, 4x90°, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), EIA/TIA T568 B
Order No.	1992890000
Type	IE-PS-RJ45-FH-90-B-1.6
GTIN (EAN)	4050118378122
Qty.	1 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 25 g

Temperatures

Operating temperature -40 °C...85 °C

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
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
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

General standards

Certificate no. (cULus) E471884 Connector standard IEC 60603-7-5 1

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

Data sheet**IE-PS-RJ45-FH-90-B-1.6****Weidmüller Interface GmbH & Co. KG**
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Technical data**Approvals**

Approvals



ROHS	Conform
UL File Number Search	E471884

Downloads

Engineering Data	STEP
Engineering Data	EPLAN_WSCAD
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN Manual

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Drawings**Dimensioned drawing**