

IE-PS-RJ45-FH-90-B-1.1

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.6A / Class EA (ISO/IEC 11801 2010), EIA/TIA T568 B
Order No.	1518090000
Type	IE-PS-RJ45-FH-90-B-1.1
GTIN (EAN)	4050118325300
Qty.	1 pc(s).

Creation date March 8, 2023 12:51:50 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Net weight	30 g
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Temperatures

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

General data

Outlet direction	angled, 0°, 180°, 270°, 90°	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.	0.85 mm	Insulation cross-section, max.	1.1 mm
Category	Cat.6A / Class EA (ISO/IEC 11801 2010)	Contact surface	Gold over nickel
Connection diameter, solid	0.41...0.51 mm	Conductor connection cross-section, solid (AWG)	AWG 26...AWG 24
Connection diameter, flexible	0.46...0.61 mm	Conductor connection cross-section, flexible (AWG)	AWG 27...AWG 24
Conductor connection cross-section, extremely flexible	0.51, Approval of the cable by Weidmüller necessary	Conductor connection cross-section, extremely flexible (AWG)	AWG 26, Approval of the cable by Weidmüller necessary
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
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. (cULus)	E471884	Connector standard	IEC 60603-7-51
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Classifications

ETIM 6.0	EC001121	ETIM 7.0	EC001121
ETIM 8.0	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	ECLASS 12.0	27-44-03-90

Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E471884

Downloads

Engineering Data	CAD data – STEP
Engineering Data	WSCAD
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN Manual
Catalogues	Catalogues in PDF-format
Brochures	MB FREECONTACT EN FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN

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Drawings

Dimensioned drawing

