

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 pièce(s)

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Caractéristiques techniques

Dimensions and weights

Net weight 25 g

Temperatures

Operating temperature -40 °C...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	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	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 AC/DC	Dielectric strength, contact / shield	≥ 1500 V AC/DC
Insulation strength	≥ 500 MΩ	PoE / PoE+	conforming to IEEE 802.3at

General standards

Certificate No. (DNV)	TAE00003EW	Certificate no. (cULus)	E471884
Connector standard	IEC 60603-7-5 1		

Classifications

ETIM 6.0	EC001121	ETIM 7.0	EC001121
ETIM 8.0	EC001121	ETIM 9.0	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	ECLASS 13.0	27-44-03-90
ECLASS 14.0	27-44-03-90		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

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Caractéristiques techniques

Approvals

Approvals



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

Downloads

Approval/Certificate/Document of Conformity	PROFINET Manufacturer's Declaration
Engineering Data	CAD data – STEP
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

Fiche de données**IE-PS-RJ45-FH-90-B-1.6****Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
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