

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

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://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 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010), EIA/TIA T568 B
Order No.	<a href="#">1992890000</a>
Type	IE-PS-RJ45-FH-90-B-1.6
GTIN (EAN)	4050118378122
Qty.	1 pc(s).

Creation date November 26, 2024 12:36:31 PM CET

Catalogue status 26.11.2024 / We reserve the right to make technical changes.

## IE-PS-RJ45-FH-90-B-1.6

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## 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 <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	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%

## IE-PS-RJ45-FH-90-B-1.6

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Technical data

### Approvals

Approvals



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

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">PROFINET Manufacturer's Declaration</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a> <a href="#">Manual</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">MB FREECONTACT EN</a> <a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a> <a href="#">PI PROFINET CABLING EN</a>

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

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**

**Dimensioned drawing**

