

**IE-PS-RJ45-FH-BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



RJ45 plug-in connector (tool-less) according to IEC 60603-7-51 for wire outer diameters up to 1.6 mm

**General ordering data**

Version	RJ45 IDC plug, Cat.6A / Class EA (ISO/IEC 11801 2010), 8-core, 4-core, EIA/TIA T568 A, EIA/TIA T568 B, PROFINET
Order No.	<a href="#">1963600000</a>
Type	IE-PS-RJ45-FH-BK
GTIN (EAN)	4032248645725
Qty.	10 pc(s).

Creation date February 15, 2023 4:19:30 PM CET

Catalogue status 03.02.2023 / We reserve the right to make technical changes.

## IE-PS-RJ45-FH-BK

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

Net weight	17.831 g
------------	----------

## Temperatures

Operating temperature	-40 °C...70 °C	Operating temperature, min.	-40 °C
Operating temperature, max.	70 °C		

## General data

Fire load	77 kJ	Halogen	No
Material locking lever	PA UL94-V0	Material strain relief	PA UL94-V0
Connection 1	RJ45	Connection 2	IDC
Configuration	Eight-wire field-assembled RJ45 plug with colour coding on the plug, TIA A/B/ProfiNet, multiport-ready	Wiring	8-core, 4-core, EIA/TIA T568 A, EIA/TIA T568 B, PROFINET
Housing main material	Zinc diecast	Speed	10 GBit/s
Insulation cross-section, min.	0.85 mm	Insulation cross-section, max.	1.6 mm
Category	Cat.6A / Class EA (ISO/IEC 11801 2010)	Contact material	Phosphorus bronze
Contact surface	Gold over nickel	Connection diameter, solid	0.41...0.64
Conductor connection cross-section, solid (AWG)	AWG 24/1...AWG 22/1	Conductor connection cross-section, solid	0.13...0.32 mm <sup>2</sup>
Connection diameter, flexible	0.48...0.76 mm	Conductor connection cross-section, flexible (AWG)	AWG 26/7...AWG 22/7
Wire connection cross section, finely stranded, min.	0.141 mm <sup>2</sup>	Conductor connection cross-section, flexible	0.14...0.35 mm <sup>2</sup>
Conductor connection cross-section, extremely flexible	, Approval of the cable by Weidmüller necessary	Conductor connection cross-section, extremely flexible (AWG)	, Approval of the cable by Weidmüller necessary
Note, very finely stranded line connection	Approval of the cable by Weidmüller necessary	MICE classification M	M <sub>1</sub>
MICE classification I	I <sub>1</sub>	MICE classification C	C <sub>1</sub>
MICE classification E	E <sub>3</sub>	Sheath diameter, min.	5.5 mm
Sheath diameter, max.	8.5 mm	Shielding	360°; all-round enclosure
Protection degree	IP20	Insertion force	≤ 30 N
Plugging cycles	750	Material insulator	PA UL94-V0
Ability to reconnect	≥ 10 cycles (for the same or larger 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

Application-specific communication cable facilities	PROFINET installation instructions	Certificate no. (cULus)	E316369
Connector standard	IEC 60603-7-51	IP protection classes	IEC 60529
UL standard for communication accessories	UL 1863		

Creation date February 15, 2023 4:19:30 PM CET

Catalogue status 03.02.2023 / We reserve the right to make technical changes.

2

## IE-PS-RJ45-FH-BK

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## 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

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E316369

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">GOST Approval</a> <a href="#">ISO/IEC EN and TIA/EIA Screened Class EA Category 6A, 4 connector channel DUXR,E316369</a> <a href="#">CC-Link IE-PS-RJ45-FH-BK</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD, Zuken E3.S</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>

**Data sheet**

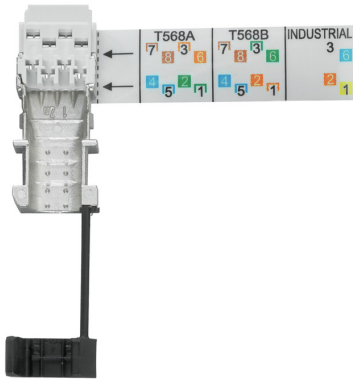
**IE-PS-RJ45-FH-BK**

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

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

**Drawings**

**Printing**



**Dimensioned drawing**

