

## IE-PS-RJ45-FH-BK-B

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

[www.weidmueller.com](http://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, EIA/TIA T568 B
Order No.	<a href="#">1132050000</a>
Type	IE-PS-RJ45-FH-BK-B
GTIN (EAN)	40322489 12 148
Qty.	10 items

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## Technical data

## Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULus)	E316369

## Dimensions and weights

Net weight	11.47 g
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## Temperatures

Storage temperature	Operating temperature	-40 °C...70 °C
Installation temperature		

## Environmental Product Compliance

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

## General data

Halogen	No	Material locking lever	PA UL94-V0
Material strain relief	PA UL94-V0	Fire load	77 kJ
Connection 1	RJ45	Connection 2	IDC
Wiring	8-core, EIA/TIA T568 B	Housing main material	Zinc diecast
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 mm
Conductor connection cross-section, solid (AWG)	AWG 26/1...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.	0.14 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	M1
MICE classification I	I1	MICE classification C	C1
MICE classification E	E3	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	Dielectric strength, contact / shield	≥ 1500 V AC/DC
Dielectric strength, contact / contact	≥ 1000 V AC/DC	Insulation resistance	≥ 500 MΩ

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Current-carrying capacity at 50 °C	1 A	PoE / PoE+	conforming to IEEE 802.3at
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### General standards

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

### Classifications

ETIM 8.0	EC001121	ETIM 9.0	EC001121
ETIM 10.0	EC001121	ECLASS 14.0	27-44-03-90
ECLASS 15.0	27-44-03-90		

Drawings

Printing



Dimensioned drawing

