

IE-PS-RJ45-FH-BK-P

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.5 (ISO/IEC 11801), 4-core, PROFINET
Order No.	1132060000
Type	IE-PS-RJ45-FH-BK-P
GTIN (EAN)	4032248912162
Qty.	10 items

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Technical data

Approvals

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ROHS	Conform
UL File Number Search	UL Website
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	4-core, PROFINET	Housing main material	Zinc diecast
Insulation cross-section, min.	0.85 mm	Insulation cross-section, max.	1.6 mm
Category	Cat.5 (ISO/IEC 11801)	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 ²
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 ²	Conductor connection cross-section, flexible	0.14...0.35 mm ²
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
Current-carrying capacity at 50 °C	1 A	PoE / PoE+	conforming to IEEE 802.3at

Technical data**General standards**

Connector standard	IEC 60603-7-5 1	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

