

IE-PS-RJ45-FH-BK-A**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.6 _A / Class E _A (ISO/IEC 11801 2010), 8-core, EIA/TIA T568 A
Order No.	1132040000
Type	IE-PS-RJ45-FH-BK-A
GTIN (EAN)	4032248912155
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Net weight	19.8 g
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Temperatures

Operating temperature	-40 °C...70 °C
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General data

Connection 1	RJ45	Connection 2	IDC
Wiring	8-core, EIA/TIA T568 A	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 E _A (ISO/IEC 11801 2010)
Contact material	Phosphorus bronze	Contact surface	Gold over nickel
Connection diameter, solid	0.41...0.64 mm	Wire connection diameter, solid, min.	0.409 mm
Conductor connection cross-section, solid (AWG)	AWG 26/1...AWG 22/1	Wire connection diameter, solid, max.	0.643 mm
Wire cross-section, solid, min.	0.128 mm ²	Wire cross-section, solid, max.	0.324 mm ²
Connection diameter, flexible	0.48...0.76 mm	Wire cross-section, solid, min. (AWG)	AWG 26/1
Wire cross-section, solid, max. (AWG)	AWG 22/1	Conductor connection cross-section, flexible (AWG)	AWG 26/7...AWG 22/7
Wire connection diameter, flexible, min.	0.483 mm	Wire connection diameter, flexible, max.	0.762 mm
Wire connection cross section, finely stranded, min.	0.141 mm ²	Wire connection cross section, finely stranded, max.	0.355 mm ²
Wire cross-section, finely stranded, min. (AWG)	AWG 26/7	Wire cross-section, finely stranded, max. (AWG)	AWG 22/7
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 ₁
MICE classification I	I ₁	MICE classification C	C ₁
MICE classification E	E ₃	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

Certificate no. (cULus)	E316369	Connector standard	IEC 60603-7-51
IP protection classes	IEC 60529	UL standard for communication accessories	UL 1863

Classifications

ETIM 6.0	EC001121	ETIM 7.0	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

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www.weidmueller.com**Technical data****Approvals**

Approvals



ROHS	Conform
UL File Number Search	E316369

Downloads

Approval/Certificate/Document of Conformity	DUXR.E316369 CC-Link IE-PS-RJ45-FH-BK
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN Manual

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Drawings

Printing



Dimensioned drawing

