

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 E _A (ISO/IEC 11801 2010), 8-core, 4-core, EIA/TIA T568 A, EIA/TIA T568 B, PROFINET
Order No.	1963600000
Type	IE-PS-RJ45-FH-BK
GTIN (EAN)	4032248645725
Qty.	10 pc(s).

Creation date October 30, 2021 10:15:10 AM CEST

Catalogue status 22.10.2021 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Net weight	17.831 g
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Temperatures

Operating temperature	-40 °C...70 °C
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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
Speed	10 GBit/s	Insulation cross-section, min.	0.85
Insulation cross-section, max.	1.6	Category	Cat.6A / Class EA (ISO/IEC 11801 2010)
Contact material	Phosphorus bronze	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 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.	0.141 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	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
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
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		

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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		

Approvals

Approvals



ROHS	Conform
UL File Number Search	E316369

Downloads

Approval/Certificate/Document of Conformity	GOST Approval ISO/IEC EN and TIA/EIA Screened Class EA Category 6A, 4 connector channel DUXR.E316369 CC-Link IE-PS-RJ45-FH-BK
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN Manual
Catalogues	Catalogues in PDF-format
Brochures	MB FREECONTACT EN FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN

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Drawings

Printing



Dimensioned drawing

