

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.6 _A / 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 March 25, 2022 11:08:21 PM CET

Catalogue status 11.03.2022 / 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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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	CAD 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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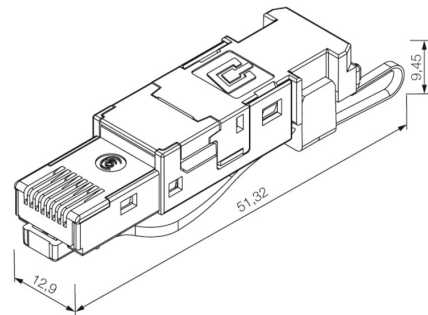
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Drawings

Printing



Dimensioned drawing



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Accessories

Dust caps



For protecting your devices against dust and dirt.

Dust caps

General ordering data

Type	IE-PP-RJ45
Order No.	2552580000
GTIN (EAN)	4050118562583
Qty.	10 pc(s).

Coloured strain relief

For identifying your IP20 RJ45 plugs, which can be assembled on-site, in 6 different colours



General ordering data

Type	IE-CR-IP20-RJ45-FH-BU	Version
Order No.	1963080000	Industrial Ethernet, Colour coding ring, blue, Strain relief, blue
GTIN (EAN)	4032248645268	
Qty.	10 pc(s).	
Type	IE-CR-IP20-RJ45-FH-YE	Version
Order No.	1963090000	Industrial Ethernet, Colour coding ring, yellow, Strain relief, yellow
GTIN (EAN)	4032248645275	
Qty.	10 pc(s).	
Type	IE-CR-IP20-RJ45-FH-GY	Version
Order No.	1963060000	Industrial Ethernet, Colour coding ring, grey, Strain relief, grey
GTIN (EAN)	4032248645244	
Qty.	10 pc(s).	
Type	IE-CR-IP20-RJ45-FH-OG	Version
Order No.	1963070000	Industrial Ethernet, Colour coding ring, orange, Strain relief, orange
GTIN (EAN)	4032248645251	
Qty.	10 pc(s).	
Type	IE-CR-IP20-RJ45-FH-GN	Version
Order No.	1963100000	Industrial Ethernet, Colour coding ring, green, Strain relief, green
GTIN (EAN)	4032248645282	
Qty.	10 pc(s).	

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www.weidmueller.com**Accessories**

Type	IE-CR-IP20-RJ45-FH-WH	Version
Order No.	1963050000	Industrial Ethernet, Colour coding ring, white, Strain relief, white
GTIN (EAN)	4032248645237	
Qty.	10 pc(s).	

Pressing tool

When working with live voltages, you must follow special guidelines and use special tools - tools which have been specially produced and tested for this purpose.

Weidmüller offers a complete line of pliers which comply with national and international testing standards.

All pliers are produced and tested according to DIN EN 60900.

The pliers are ergonomically designed to fit to the hand form, and thus feature an improved hand position. The fingers are not pressed together - this results in less fatigue during operation.

General ordering data

Type	PWZ RJ45	Version
Order No.	1118040000	Pressing tools
GTIN (EAN)	4032248899197	
Qty.	1 pc(s).	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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