

## IE-PS-RJ45-FH-BK

**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, 4-core, EIA/TIA T568 A, EIA/TIA T568 B, PROFINET
Order No.	<a href="#">1963600000</a>
Type	IE-PS-RJ45-FH-BK
GTIN (EAN)	4032248645725
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	17.83 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
Composition	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
Colour	Light Grey	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 24/1...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)		

## Technical data

### 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

### General standards

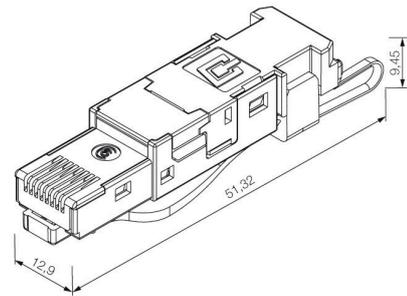
Connector standard	IEC 60603-7-51	UL standard for communication accessories	UL 1863
Application-specific communication cable facilities	PROFINET installation instructions	IP protection classes	IEC 60529
Certificate no. (cULus)	E316369		

### 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		

Printing

Dimensioned drawing



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## Accessories

## 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.	<a href="#">1118040000</a>	Pressing tools	
GTIN (EAN)	4032248899197		
Qty.	1 ST		

## Dust caps



For protecting your devices against dust and dirt.

## General ordering data

Type	IE-PP-RJ45	Version	
Order No.	<a href="#">2552580000</a>		
GTIN (EAN)	4050118562583		
Qty.	10 ST		

## Coloured strain relief



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

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### General ordering data

Type	IE-CR-IP20-RJ45-FH-GN	Version
Order No.	<a href="#">1963100000</a>	Industrial Ethernet, Colour coding ring, green, Strain relief, green
GTIN (EAN)	4032248645282	
Qty.	10 ST	
Type	IE-CR-IP20-RJ45-FH-GY	Version
Order No.	<a href="#">1963060000</a>	Industrial Ethernet, Colour coding ring, grey, Strain relief, grey
GTIN (EAN)	4032248645244	
Qty.	10 ST	
Type	IE-CR-IP20-RJ45-FH-BU	Version
Order No.	<a href="#">1963080000</a>	Industrial Ethernet, Colour coding ring, blue, Strain relief, blue
GTIN (EAN)	4032248645268	
Qty.	10 ST	
Type	IE-CR-IP20-RJ45-FH-OG	Version
Order No.	<a href="#">1963070000</a>	Industrial Ethernet, Colour coding ring, orange, Strain relief, orange
GTIN (EAN)	4032248645251	
Qty.	10 ST	
Type	IE-CR-IP20-RJ45-FH-YE	Version
Order No.	<a href="#">1963090000</a>	Industrial Ethernet, Colour coding ring, yellow, Strain relief, yellow
GTIN (EAN)	4032248645275	
Qty.	10 ST	
Type	IE-CR-IP20-RJ45-FH-WH	Version
Order No.	<a href="#">1963050000</a>	Industrial Ethernet, Colour coding ring, white, Strain relief, white
GTIN (EAN)	4032248645237	
Qty.	10 ST	