

## IE-PS-RJ45-FH-BK-120

**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, 8-core, 4-core
Order No.	<a href="#">2703730000</a>
Type	IE-PS-RJ45-FH-BK-120
GTIN (EAN)	4050118755763
Qty.	120 items

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## Technical data

## Approvals

ROHS Conform

## Dimensions and weights

Net weight 14.15 g

## Temperatures

Storage temperature  
Installation temperature

Operating temperature

## Environmental Product Compliance

RoHS Compliance Status Compliant without exemption  
REACH SVHC No SVHC above 0.1 wt%

## General data

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	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
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
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°; shield contact
Protection degree	IP20	Insertion force	≤ 30 N
Plugging cycles	750	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**

UL standard for communication accessories	UL 1863	Application-specific communication cable facilities	PROFINET installation instructions
IP protection classes	IEC 60529		

**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

