

**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
Order No.	<a href="#">2703730000</a>
Type	IE-PS-RJ45-FH-BK-120
GTIN (EAN)	4050118755763
Qty.	120 pc(s).

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## Technical data

## Dimensions and weights

Net weight	14.15 g
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## General data

Fire load	77 kJ	Material locking lever	PA UL94-V0
Material strain relief		Configuration	Eight-wire field-assembled RJ45 plug with colour coding on the plug, TIA A/B/ ProfiNet, multiport-ready
	PA UL94-V0		
Housing main material	Zinc diecast	Insulation cross-section, min.	0.85 mm
Insulation cross-section, max.	1.6 mm	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.	0.141 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	M <sub>1</sub>	MICE classification I	I <sub>1</sub>
MICE classification C	C <sub>1</sub>	MICE classification E	E <sub>3</sub>
Sheath diameter, min.	5.5 mm	Sheath diameter, max.	8.5 mm
Shielding	360°; shield contact	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	Current-carrying capacity at 50 °C	1 A
Dielectric strength, contact / contact	≥ 1000 V AC/DC	Dielectric strength, contact / shield	≥ 1500 V AC/DC
Insulation strength	≥ 500 MΩ	PoE / PoE+	conforming to IEEE 802.3at

## General standards

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

## Classifications

ETIM 6.0	EC001121	ETIM 7.0	EC001121
ETIM 8.0	EC001121	ETIM 9.0	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
ECLASS 12.0	27-44-03-90	ECLASS 13.0	27-44-03-90

## Approvals

ROHS	Conform
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## Technical data

### Downloads

Engineering Data

[CAD data – STEP](#)

Catalogues

[Catalogues in PDF-format](#)

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**Drawings****Printing****Dimensioned drawing**