

IE-P

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



RJ45 crimp plug-in connector according to IEC
60603-7-51 for wire outer diameters up to 1.05 mm

General ordering data

Version	RJ45 plug-in connector, without kink protection; 5.5 - 7.1 mm, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), IP20
Order No.	8813100000
Type	IE-P
GTIN (EAN)	4032248512850
Qty.	100 pc(s).

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Net weight	2.9 g
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Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...70 °C
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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General data

Connection 2	RJ45	Description of article	without kink protection; 5.5 - 7.1 mm
Housing main material	CuZn, nickel-plated	Insulation cross-section, min.	0.85 mm
Insulation cross-section, max.	1.05 mm	Cable pull-out force, min.	89 N
Category	Cat.6A / Class EA (ISO/IEC 11801 2010)	Contact material	Phosphorus bronze
Contact surface	Gold-plated	Connection diameter, solid	0.36...0.51 mm
Wire connection diameter, solid, min.	0.36 mm	Conductor connection cross-section, solid (AWG)	AWG 27...AWG 24
Wire connection diameter, solid, max.	0.51 mm	Connection diameter, flexible	0.46...0.61 mm
Wire cross-section, solid, min. (AWG)	AWG 27	Wire cross-section, solid, max. (AWG)	AWG 24
Conductor connection cross-section, flexible (AWG)	AWG 27...AWG 24	Wire connection diameter, flexible, min.	0.46 mm
Wire connection diameter, flexible, max.	0.61 mm	Wire cross-section, finely stranded, min. (AWG)	AWG 27
Wire cross-section, finely stranded, max. (AWG)	AWG 24	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.	7.1 mm	Shielding material	0.5 mm brass, 2 µm nickel
Shielding	360° all-round enclosure	Protection degree	IP20
Insertion force	20 N	Plugging cycles	750
Material insulator	Polycarbonate PC, UL 94 V-0		

Electrical properties

Current-carrying capacity at 50 °C	1 A	Dielectric strength, contact / contact	≤ 1000 V DC
Dielectric strength, contact / shield	≤ 1500 V DC	Insulation strength	500,000 Ω
PoE / PoE+	conforming to IEEE 802.3af		

General standards

Connector standard	IEC 60603-7-5 1
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Classifications

ETIM 6.0	EC001121	ETIM 7.0	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

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Data sheet**IE-P**

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