

**Industrial Ethernet  
IE-P**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
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**

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

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**Technical data****Dimensions and weights**

Net weight	2.9 g
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**Temperatures**

Operating temperature, max.	70 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	80 °C	Storage temperature, min.	-40 °C
Operating temperature	-40 °C...70 °C	Storage temperature	-40 °C...80 °C
Installation temperature			

**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.6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010)	Contact material	Phosphorus bronze
Contact surface	Gold-plated	Connection diameter, solid	0.36...0.51 mm
Conductor connection cross-section, solid (AWG)	AWG 27...AWG 24	Connection diameter, flexible	0.46...0.61 mm
Conductor connection cross-section, flexible (AWG)	AWG 27...AWG 24	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.	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 802.3at		

**Standards**

Connector standard	IEC 60603-7-5 1
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**Classifications**

ETIM 3.0	EC001264	ETIM 4.0	EC001264
ETIM 5.0	EC001264	ETIM 6.0	EC001121
UNSPSC	43-17-27-10	eClass 5.1	27-25-05-04
eClass 6.2	27-25-05-04	eClass 7.1	27-25-05-04
eClass 8.1	19-17-01-25	eClass 9.0	27-44-03-90
eClass 9.1	27-44-03-90		

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**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**

Brochure/Catalogue

[CAT 9 IETH 15/16 EN](#)  
[FL FIELDWIRING EN](#)  
[PI PROFINET CABLING EN](#)

User Documentation

[MAN IE GUIDE DE](#)  
[MAN IE GUIDE EN](#)