

**Industrial Ethernet
IE-P70**

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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-P70
Order No.	8813120000
Version	RJ45 plug, with kink protection; 6.2 - 7.1 mm, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), IP20
GTIN (EAN)	4032248512874
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Net weight 5.2 g

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

General data

Connection 2	RJ45	Description of article	with kink protection; 6.2 - 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 _A / Class E _A (ISO/IEC 11801 2010)	Bending protection	moulded
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 ₁	MICE classification I	I ₁
MICE classification C	C ₁	MICE classification E	E ₃
Sheath diameter, min.	6.2 mm	Sheath diameter, max.	7.1 mm
Bending protection sleeve material	PVC, UL 94-V0	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

Contact resistance	≤ 20 mΩ	Current-carrying capacity at 50 °C	1 A
Dielectric strength, contact / contact	≤ 1000 V DC	Dielectric strength, contact / shield	≤ 1500 V DC
Insulation resistance	500 MΩ	PoE / PoE+	conforming to IEEE 802.3af

Standards

Connector standard IEC 60603-7-5 1

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	19-17-01-25
eClass 9.1	27-44-09-90		

Creation date August 28, 2018 2:29:19 PM CEST

Data sheet**Industrial Ethernet
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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
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

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Drawings

Dimensioned drawing

