

**IE-P70****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, with kink protection; 6.2 - 7.1 mm, Cat.6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010), IP20
Order No.	<a href="#">8813120000</a>
Type	IE-P70
GTIN (EAN)	4032248512874
Qty.	10 pc(s).

Creation date March 29, 2021 11:20:28 PM CEST

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

## IE-P70

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

Net weight 5.2 g

## Temperatures

Storage temperature -40 °C...80 °C Operating temperature -40 °C...70 °C

## 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.6A / Class EA (ISO/IEC 11801 2010)	Bending protection	moulded
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 <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.	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 strength	500 MΩ	PoE / PoE+	conforming to IEEE 802.3af

## General standards

Connector standard IEC 60603-7-51

## 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

Creation date March 29, 2021 11:20:28 PM CEST

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

**IE-P70**

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

[www.weidmueller.com](http://www.weidmueller.com)

**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**

Engineering Data

[STEP](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)

User Documentation

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

**IE-P70**

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

[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**

**Dimensioned drawing**

