

**IE-PS-RJ45-FH-180-B-1.6-CG****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



RJ45 plug-in connector (no tools required) according to IEC 60603-7-51.

**General ordering data**

Version	RJ45 plug with piercing contacts, straight, Cable gland, Cat.6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010), EIA/TIA T568 B
Order No.	<a href="#">2703410000</a>
Type	IE-PS-RJ45-FH-180-B-1.6-CG
GTIN (EAN)	4050118734942
Qty.	1 pc(s).

Creation date April 16, 2021 8:24:28 AM CEST

Catalogue status 09.04.2021 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Net weight 34 g

## Temperatures

Operating temperature -40 °C...85 °C

## General data

Connection 1	RJ45	Connection 2	Piercing
Wiring	EIA/TIA T568 B	Housing main material	Zinc diecast, nickel-plated
Speed	10 GBit	Insulation cross-section, min.	1.1 mm
Insulation cross-section, max.	1.6 mm	Category	Cat. 6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010)
Contact surface	Gold over nickel	Connection diameter, solid	0.51...0.64 mm
Conductor connection cross-section, solid (AWG)	AWG 24...AWG 22	Connection diameter, flexible	0.46...0.76 mm
Conductor connection cross-section, flexible (AWG)	AWG 27...AWG 22	Conductor connection cross-section, extremely flexible	0.61...0.78 mm, Approval of the cable by Weidmüller necessary
Conductor connection cross-section, extremely flexible (AWG)	AWG 24...AWG 22, Approval of the cable by Weidmüller necessary	Note, very finely stranded line connection	Approval of the cable by Weidmüller necessary
Sheath diameter, min.	5 mm	Sheath diameter, max.	9 mm
Shielding	360° all-round enclosure	Protection degree	IP20
Plugging cycles	750		

## 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 802.3at

## General standards

Certificate no. (cULus)	E471884	Connector standard	IEC 60603-7-51
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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

## Approvals

Approvals



ROHS	Conform
UL File Number Search	E471884

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**Downloads**

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User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a> <a href="#">Manual</a>
Brochure/Catalogue	<a href="#">Catalogues in PDF-format</a>

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**Data sheet**

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**Drawings**

