

## IE-PS-RJ45-FH-180-B-1.6-CG

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

[www.weidmueller.com](http://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.6A / Class EA (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 items

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## Technical data

## Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULus)	E471884

## Dimensions and weights

Net weight	26.19 g
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## Temperatures

Storage temperature	Operating temperature	-40 °C...85 °C
Installation temperature		

## Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

## General data

Outlet direction	straight	Connection 1	RJ45
Connection 2	Piercing	Wiring	EIA/TIA T568 B
Housing main material	Zinc diecast, nickel-plated	Insulation cross-section, min.	1.1 mm
Insulation cross-section, max.	1.6 mm	Category	Cat.6A / Class EA (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	Ability to reconnect	≤ 4 cycles (with the same cross-section)

## Electrical properties

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

## General standards

Certificate No. (DNV)	TAE00003EW	Connector standard	IEC 60603-7-51
Certificate no. (cULus)	E471884		

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### Classifications

ETIM 8.0	EC001121	ETIM 9.0	EC001121
ETIM 10.0	EC001121	ECLASS 14.0	27-44-03-90
ECLASS 15.0	27-44-03-90		

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**Drawings**

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