

## IE-PS-RJ45-FH-180-A-1.6

**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, Cat.6A / Class EA (ISO/IEC 11801 2010), EIA/TIA T568 A |
| Order No.  | <a href="#">1992820000</a>   |
| Type       | IE-PS-RJ45-FH-180-A-1.6  |
| GTIN (EAN) | 4050118377897  |
| 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 | 23.76 g |
|------------|---------|

## 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 A  |
| 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 |             |             |

**Dimensioned drawing**



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**Accessories****Pressing tool**

When working with live voltages, you must follow special guidelines and use special tools - tools which have been specially produced and tested for this purpose.

Weidmüller offers a complete line of pliers which comply with national and international testing standards.

All pliers are produced and tested according to DIN EN 60900.

The pliers are ergonomically designed to fit to the hand form, and thus feature an improved hand position. The fingers are not pressed together - this results in less fatigue during operation.

**General ordering data**

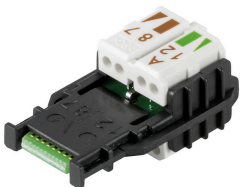
|            |                            |                |  |
|------------|----------------------------|----------------|--|
| Type       | PWZ RJ45                   | Version        |  |
| Order No.  | <a href="#">1118040000</a> | Pressing tools |  |
| GTIN (EAN) | 4032248899197              |                |  |
| Qty.       | 1 ST                       |                |  |

**Dust caps**

For protecting your devices against dust and dirt.

**General ordering data**

|            |                            |         |  |
|------------|----------------------------|---------|--|
| Type       | IE-PP-RJ45                 | Version |  |
| Order No.  | <a href="#">2552580000</a> |         |  |
| GTIN (EAN) | 4050118562583              |         |  |
| Qty.       | 10 ST                      |         |  |

**Substitute wire manager**

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## Accessories

### General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | IE-PI-RJ45-FH-A-1.6        | Version   |
| Order No.  | <a href="#">1992880000</a> | Substitute wire manager, RJ45, Cat.6A / Class EA (ISO/IEC 11801 |
| GTIN (EAN) | 4050118378030              | 2010), EIA/TIA T568 A   |
| Qty.       | 30 ST                      |   |
| Type       | IE-PI-RJ45-FH-B-1.6        | Version   |
| Order No.  | <a href="#">1992900000</a> | Substitute wire manager, RJ45, Cat.6A / Class EA (ISO/IEC 11801 |
| GTIN (EAN) | 4050118378146              | 2010), EIA/TIA T568 B   |
| Qty.       | 30 ST                      |   |
| Type       | IE-PI-RJ45-FH-P-1.6        | Version   |
| Order No.  | <a href="#">1992910000</a> | Substitute wire manager, RJ45, Cat.5 (ISO/IEC 11801), PROFINET  |
| GTIN (EAN) | 4050118378047              |   |
| Qty.       | 30 ST                      |   |
| Type       | IE-PI-RJ45-FH-A-1.1        | Version   |
| Order No.  | <a href="#">1992920000</a> | Substitute wire manager, RJ45, Cat.6A / Class EA (ISO/IEC 11801 |
| GTIN (EAN) | 4050118377965              | 2010), EIA/TIA T568 A   |
| Qty.       | 30 ST                      |   |
| Type       | IE-PI-RJ45-FH-B-1.1        | Version   |
| Order No.  | <a href="#">1992930000</a> | Substitute wire manager, RJ45, Cat.6A / Class EA (ISO/IEC 11801 |
| GTIN (EAN) | 4050118378139              | 2010), EIA/TIA T568 B   |
| Qty.       | 30 ST                      |   |