

**IE-PS-RJ45-FH-180-P-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.5 (ISO/IEC 11801), PROFINET |
| Order No.  | <a href="#">2703420000</a>                                                               |
| Type       | IE-PS-RJ45-FH-180-P-1.6-CG                                                               |
| GTIN (EAN) | 4050118734959                                                                            |
| Qty.       | 1 pc(s).                                                                                 |

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**Technical data****Dimensions and weights**

|            |         |
|------------|---------|
| Net weight | 23.86 g |
|------------|---------|

**Temperatures**

|                       |                |
|-----------------------|----------------|
| Operating temperature | -40 °C...85 °C |
|-----------------------|----------------|

**General data**

|                                                              |                                                                |                                                        |                                                               |
|--------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------|
| Outlet direction                                             | straight                                                       | Connection 1                                           | RJ45                                                          |
| Connection 2                                                 | Piercing                                                       | Wiring                                                 | PROFINET                                                      |
| Housing main material                                        | Zinc diecast, nickel-plated                                    | Insulation cross-section, min.                         | 1.1 mm                                                        |
| Insulation cross-section, max.                               | 1.6 mm                                                         | Category                                               | Cat.5 (ISO/IEC 11801)                                         |
| 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        | Current-carrying capacity at 50 °C    | 1 A                        |
| Dielectric strength, contact / contact | ≥ 1000 V AC/DC | Dielectric strength, contact / shield | ≥ 1500 V AC/DC             |
| Insulation strength                    | ≥ 500 MΩ       | PoE / PoE+                            | conforming to IEEE 802.3at |

**General standards**

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

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001121    | ETIM 7.0    | EC001121    |
| ETIM 8.0    | EC001121    | ETIM 9.0    | EC001121    |
| ETIM 10.0   | 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 | ECLASS 12.0 | 27-44-03-90 |
| ECLASS 13.0 | 27-44-03-90 | ECLASS 14.0 | 27-44-03-90 |
| ECLASS 15.0 | 27-44-03-90 |             |             |

**Environmental Product Compliance**

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

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Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/</a> |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

|                       |            |
|-----------------------|------------|
| UL File Number Search | UL Website |
|-----------------------|------------|

|                         |         |
|-------------------------|---------|
| Certificate no. (cULus) | E471884 |
|-------------------------|---------|

**Downloads**

|                                             |                                                     |
|---------------------------------------------|-----------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">PROFINET Manufacturer's Declaration</a> |
|---------------------------------------------|-----------------------------------------------------|

|                  |                                 |
|------------------|---------------------------------|
| Engineering Data | <a href="#">CAD data – STEP</a> |
|------------------|---------------------------------|

|                    |                                                                                              |
|--------------------|----------------------------------------------------------------------------------------------|
| User Documentation | <a href="#">MAN IE GUIDE DE</a><br><a href="#">MAN IE GUIDE EN</a><br><a href="#">Manual</a> |
|--------------------|----------------------------------------------------------------------------------------------|

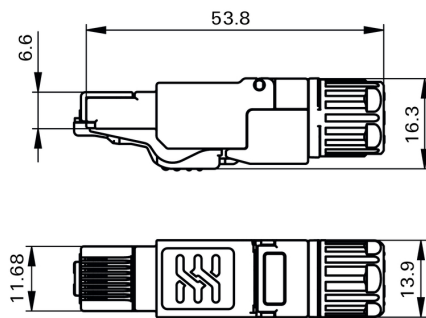
|            |                                          |
|------------|------------------------------------------|
| Catalogues | <a href="#">Catalogues in PDF-format</a> |
|------------|------------------------------------------|

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# Drawings



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

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## Accessories

## Substitute wire manager



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

## General ordering data

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

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[www.weidmueller.com](http://www.weidmueller.com)**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 pc(s).                   |                |

**Dust caps**

For protecting your devices against dust and dirt.

**General ordering data**

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