

## IE-PS-RJ45-FH-BK-P

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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



RJ45 plug-in connector (tool-less) according to IEC 60603-7-51 for wire outer diameters up to 1.6 mm

### General ordering data

|            |                                                        |
|------------|--------------------------------------------------------|
| Version    | RJ45 IDC plug, Cat.5 (ISO/IEC 11801), 4-core, PROFINET |
| Order No.  | <a href="#">1132060000</a>                             |
| Type       | IE-PS-RJ45-FH-BK-P                                     |
| GTIN (EAN) | 4032248912162                                          |
| Qty.       | 10 items                                               |

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## Technical data

## Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate no. (cULus) | E316369                    |

## Dimensions and weights

|            |         |
|------------|---------|
| Net weight | 11.47 g |
|------------|---------|

## Temperatures

|                          |                       |                |
|--------------------------|-----------------------|----------------|
| Storage temperature      | Operating temperature | -40 °C...70 °C |
| Installation temperature |                       |                |

## Environmental Product Compliance

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

## General data

|                                                        |                                                    |                                                              |                                                 |
|--------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------|
| Halogen                                                | No                                                 | Material locking lever                                       | PA UL94-V0                                      |
| Material strain relief                                 | PA UL94-V0                                         | Fire load                                                    | 77 kJ                                           |
| Connection 1                                           | RJ45                                               | Connection 2                                                 | IDC                                             |
| Wiring                                                 | 4-core, PROFINET                                   | Housing main material                                        | Zinc diecast                                    |
| Insulation cross-section, min.                         | 0.85 mm                                            | Insulation cross-section, max.                               | 1.6 mm                                          |
| Category                                               | Cat.5 (ISO/IEC 11801)                              | Contact material                                             | Phosphorus bronze                               |
| Contact surface                                        | Gold over nickel                                   | Connection diameter, solid                                   | 0.41...0.64 mm                                  |
| Conductor connection cross-section, solid (AWG)        | AWG 26/1...AWG 22/1                                | Conductor connection cross-section, solid                    | 0.13...0.32 mm <sup>2</sup>                     |
| Connection diameter, flexible                          | 0.48...0.76 mm                                     | Conductor connection cross-section, flexible (AWG)           | AWG 26/7...AWG 22/7                             |
| Wire connection cross section, finely stranded, min.   | 0.14 mm <sup>2</sup>                               | Conductor connection cross-section, flexible                 | 0.14...0.35 mm <sup>2</sup>                     |
| Conductor connection cross-section, extremely flexible | , Approval of the cable by Weidmüller necessary    | Conductor connection cross-section, extremely flexible (AWG) | , Approval of the cable by Weidmüller necessary |
| Note, very finely stranded line connection             | Approval of the cable by Weidmüller necessary      | MICE classification M                                        | M1                                              |
| MICE classification I                                  | I1                                                 | MICE classification C                                        | C1                                              |
| MICE classification E                                  | E3                                                 | Sheath diameter, min.                                        | 5.5 mm                                          |
| Sheath diameter, max.                                  | 8.5 mm                                             | Shielding                                                    | 360°; all-round enclosure                       |
| Protection degree                                      | IP20                                               | Insertion force                                              | ≤ 30 N                                          |
| Plugging cycles                                        | 750                                                | Material insulator                                           | PA UL94-V0                                      |
| Ability to reconnect                                   | ≥ 10 cycles (for the same or larger 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 |

**Technical data****General standards**

|                                                     |                                    |                                           |           |
|-----------------------------------------------------|------------------------------------|-------------------------------------------|-----------|
| Connector standard                                  | IEC 60603-7-51                     | UL standard for communication accessories | UL 1863   |
| Application-specific communication cable facilities | PROFINET installation instructions | IP protection classes                     | IEC 60529 |
| Certificate no. (cULus)                             | E316369                            |                                           |           |

**Classifications**

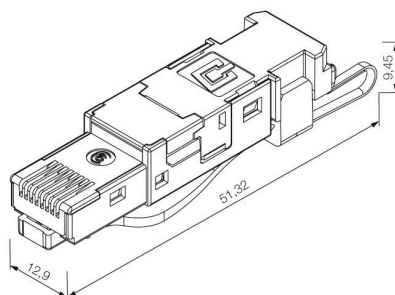
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001121    | ETIM 9.0    | EC001121    |
| ETIM 10.0   | EC001121    | ECLASS 14.0 | 27-44-03-90 |
| ECLASS 15.0 | 27-44-03-90 |             |             |

## Drawings

### Printing



### Dimensioned drawing



**IE-PS-RJ45-FH-BK-P****Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26  
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Germany[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 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                      |         |

**Coloured strain relief**

For identifying your IP20 RJ45 plugs, which can be assembled on-site, in 6 different colours

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## Accessories

## General ordering data

|            |                            |                                                                        |
|------------|----------------------------|------------------------------------------------------------------------|
| Type       | IE-CR-IP20-RJ45-FH-GN      | Version                                                                |
| Order No.  | <a href="#">1963100000</a> | Industrial Ethernet, Colour coding ring, green, Strain relief, green   |
| GTIN (EAN) | 4032248645282              |                                                                        |
| Qty.       | 10 ST                      |                                                                        |
| Type       | IE-CR-IP20-RJ45-FH-GY      | Version                                                                |
| Order No.  | <a href="#">1963060000</a> | Industrial Ethernet, Colour coding ring, grey, Strain relief, grey     |
| GTIN (EAN) | 4032248645244              |                                                                        |
| Qty.       | 10 ST                      |                                                                        |
| Type       | IE-CR-IP20-RJ45-FH-BU      | Version                                                                |
| Order No.  | <a href="#">1963080000</a> | Industrial Ethernet, Colour coding ring, blue, Strain relief, blue     |
| GTIN (EAN) | 4032248645268              |                                                                        |
| Qty.       | 10 ST                      |                                                                        |
| Type       | IE-CR-IP20-RJ45-FH-OG      | Version                                                                |
| Order No.  | <a href="#">1963070000</a> | Industrial Ethernet, Colour coding ring, orange, Strain relief, orange |
| GTIN (EAN) | 4032248645251              |                                                                        |
| Qty.       | 10 ST                      |                                                                        |
| Type       | IE-CR-IP20-RJ45-FH-YE      | Version                                                                |
| Order No.  | <a href="#">1963090000</a> | Industrial Ethernet, Colour coding ring, yellow, Strain relief, yellow |
| GTIN (EAN) | 4032248645275              |                                                                        |
| Qty.       | 10 ST                      |                                                                        |
| Type       | IE-CR-IP20-RJ45-FH-WH      | Version                                                                |
| Order No.  | <a href="#">1963050000</a> | Industrial Ethernet, Colour coding ring, white, Strain relief, white   |
| GTIN (EAN) | 4032248645237              |                                                                        |
| Qty.       | 10 ST                      |                                                                        |