

**IE-PM-RJ45-TH****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



RJ45 crimp plug-in connector according to IEC  
60603-7-51 for wire outer diameters up to 1.05 mm

**General ordering data**

|            |   |
|------------|---|
| Version    | RJ45 crimp plug, Plug without bending protection sleeve, Cat.6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010) |
| Order No.  | <a href="#">1963580000</a>  |
| Type       | IE-PM-RJ45-TH   |
| GTIN (EAN) | 4032248645688   |
| Qty.       | 100 pc(s).  |

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## Technical data

## Dimensions and weights

|            |        |
|------------|--------|
| Net weight | 3.46 g |
|------------|--------|

## Temperatures

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

## General data

|  |  |                                    |   |
|--|--|------------------------------------|---|
| Connection 1                                       | RJ45   | Connection 2                       | Crimp   |
| Description of article                             |  | Configuration                      | Connects piercing contacts and shielded connections in one step, retro-fit for kink-prevention sleeves, Multi-port compatible |
|  | Plug without bending protection sleeve             |                                    |   |
| Colour   | Miscellaneous                                      | Insulation cross-section, min.     | 0.85 mm   |
| Insulation cross-section, max.                     | 1.05 mm  | Cable pull-out force, min.         | 89 N  |
| Category   | Cat.6A / Class E <sub>A</sub> (ISO/IEC 11801 2010) | Contact material                   | Phosphorus bronze   |
| Contact surface                                    | Gold-plated  | Connection diameter, solid         | 0.36...0.51 mm  |
| Conductor connection cross-section, solid (AWG)    | AWG 27...AWG 24                                    | Connection diameter, flexible      | 0.46...0.61 mm  |
| Conductor connection cross-section, flexible (AWG) | AWG 27...AWG 24                                    | MICE classification M              | M <sub>1</sub>  |
| MICE classification I                              | I <sub>1</sub>                                     | MICE classification C              | C <sub>1</sub>  |
| MICE classification E                              | E <sub>3</sub>                                     | Sheath diameter, min.              | 5 mm  |
| Sheath diameter, max.                              | 7.3 mm   | Bending protection sleeve material | Polycarbonate PC, UL 94 V-0   |
| Shielding material                                 | 0.5 mm brass, 2 µm nickel                          | Shielding                          | 360°; all-round enclosure   |
| Protection degree                                  | IP20   | Plugging cycles                    | 750   |
| Material insulator                                 | Polycarbonate PC, UL 94 V-0                        |                                    |   |

## 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 802.3af |

## General standards

|                         |         |                    |                |
|-------------------------|---------|--------------------|----------------|
| Certificate No. (cURus) | E316369 | Connector standard | IEC 60603-7-51 |
|-------------------------|---------|--------------------|----------------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001121    | ETIM 7.0    | EC001121    |
| ETIM 8.0    | EC001121    | ETIM 9.0    | 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 |

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## Technical data

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E316369    |

## Downloads

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">GOST Approval</a><br><a href="#">ISO/IEC EN and TIA/EIA Screened Class EA Category 6A, 4 connector channel</a><br><a href="#">C-Link IE-PS-RJ45-TH-BK</a><br><a href="#">UL Approval</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>   |
| Brochures                                   | <a href="#">MB FREECONCONTACT EN</a><br><a href="#">FL FIELDWIRING EN</a><br><a href="#">PI PROFINET CABLING EN</a><br><a href="#">PI PROFINET CABLING EN</a>  |

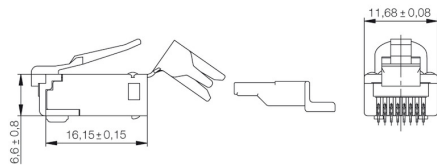
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## Drawings

### Dimensioned drawing



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## Accessories

## 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).                  |

## Antikink bushings



Weidmüller IP 20 plug-in connectors in the crimp version are best used together with the antikink grommets available in various colours to help identify the plugs as well as protect locking levers and prevent strain on the cables.

Features:

- 7 different colours

## General ordering data

|            |                            |                                   |
|------------|----------------------------|-----------------------------------|
| Type       | IE-PH-RJ45-TH-GN           | Version                           |
| Order No.  | <a href="#">1962490000</a> | Bending protection sleeve, green  |
| GTIN (EAN) | 4032248644629              |                                   |
| Qty.       | 10 pc(s).                  |                                   |
| Type       | IE-PH-RJ45-TH-BK           | Version                           |
| Order No.  | <a href="#">1962500000</a> | Bending protection sleeve, black  |
| GTIN (EAN) | 4032248644636              |                                   |
| Qty.       | 10 pc(s).                  |                                   |
| Type       | IE-PH-RJ45-TH-WH           | Version                           |
| Order No.  | <a href="#">1962430000</a> | Bending protection sleeve, white  |
| GTIN (EAN) | 4032248644469              |                                   |
| Qty.       | 10 pc(s).                  |                                   |
| Type       | IE-PH-RJ45-TH-OG           | Version                           |
| Order No.  | <a href="#">1962450000</a> | Bending protection sleeve, orange |
| GTIN (EAN) | 4032248644483              |                                   |
| Qty.       | 10 pc(s).                  |                                   |
| Type       | IE-PH-RJ45-TH-GY           | Version                           |
| Order No.  | <a href="#">1962440000</a> | Bending protection sleeve, grey   |
| GTIN (EAN) | 4032248644476              |                                   |
| Qty.       | 10 pc(s).                  |                                   |

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|            |                            |                                   |
|------------|----------------------------|-----------------------------------|
| Type       | IE-PH-RJ45-TH-BU           | Version                           |
| Order No.  | <a href="#">1962470000</a> | Bending protection sleeve, blue   |
| GTIN (EAN) | 4032248644506              |                                   |
| Qty.       | 10 pc(s).                  |                                   |
| Type       | IE-PH-RJ45-TH-YE           | Version                           |
| Order No.  | <a href="#">1962480000</a> | Bending protection sleeve, yellow |
| GTIN (EAN) | 4032248644612              |                                   |
| Qty.       | 10 pc(s).                  |                                   |

**... for modular plug-in connectors****Crimping tools for modular plug-in connector systems WE and DEC**

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- Three functions in one tool

**General ordering data**

|            |                            |  |
|------------|----------------------------|--|
| Type       | TT 8 RS MP 8               | Version                                    |
| Order No.  | <a href="#">9202800000</a> | Pressing tools, Crimping tool for contacts |
| GTIN (EAN) | 4032248512072              |  |
| Qty.       | 1 pc(s).                   |  |