

**IE-TO-RJ45-FJ-A****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Mounting rail outlet, RJ45 module design according to IEC 60603-7-51, for wires with diameters up to 1.6 mm

**General ordering data**

|            |                                                                                                                  |
|------------|------------------------------------------------------------------------------------------------------------------|
| Version    | Mounting rail outlet, RJ45, EIA/TIA T568 A, IP20, Cat.6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010) |
| Order No.  | <a href="#">8946930000</a>                                                                                       |
| Type       | IE-TO-RJ45-FJ-A                                                                                                  |
| GTIN (EAN) | 4032248734917                                                                                                    |
| Qty.       | 10 pc(s).                                                                                                        |

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## Technical data

## Dimensions and weights

|            |        |
|------------|--------|
| Net weight | 5.42 g |
|------------|--------|

## Temperatures

|                       |                |          |                        |
|-----------------------|----------------|----------|------------------------|
| Operating temperature | -40 °C...70 °C | Humidity | 0...93 % rel. humidity |
|-----------------------|----------------|----------|------------------------|

## General data

|                                                    |                                                                    |                                      |                                                  |
|----------------------------------------------------|--------------------------------------------------------------------|--------------------------------------|--------------------------------------------------|
| Connection 1                                       | RJ45                                                               | Connection 2                         | IDC                                              |
| Configuration                                      | Switchable volt. connection from module/ coupling to mounting rail | Wiring                               | EIA/TIA T568 A                                   |
| Colour                                             | Light Grey                                                         | Shock resistance acc. to IEC 60512-4 | 250 ms <sup>-2</sup>                             |
| Vibration resistance acc. to IEC 60512-4           | 50 ms <sup>-2</sup> sinusoidal (9...500 Hz)                        | Humidity                             | 0...93 % rel. humidity                           |
| Housing main material                              | PA UL 94 V0                                                        | Insulation cross-section, max.       | 1.6 mm                                           |
| Category                                           | Cat.6A / Class EA (ISO/IEC 11801 2010)                             | Contact material                     | Spring steel, Ni 1.2 µm                          |
| Contact surface                                    | Au ≥ 0.8 µm                                                        | Connection diameter, solid           | 0.4...0.64                                       |
| Conductor connection cross-section, solid (AWG)    | AWG 24...AWG 22                                                    | Connection diameter, flexible        | 0.48...0.76 mm                                   |
| Conductor connection cross-section, flexible (AWG) | AWG 26...AWG 22                                                    | Sheath diameter, min.                | 5.5 mm                                           |
| Sheath diameter, max.                              | 10 mm                                                              | Type of mounting                     | TS 35                                            |
| Shielding                                          | Yes                                                                | Protection degree                    | IP20                                             |
| Plugging cycles                                    | 750 (RJ45)                                                         | Ability to reconnect                 | ≥ 10 cycles for AWG 23-26, ≥ 4 cycles for AWG 22 |

## Electrical properties

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

## General standards

|                    |                |
|--------------------|----------------|
| Connector standard | IEC 60603-7-51 |
|--------------------|----------------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000313    | ETIM 7.0    | EC000313    |
| ETIM 8.0    | EC000313    | ECLASS 9.0  | 27-44-03-20 |
| ECLASS 9.1  | 19-17-01-25 | ECLASS 10.0 | 27-44-03-20 |
| ECLASS 11.0 | 27-44-03-20 | ECLASS 12.0 | 27-44-03-20 |

## Approvals

Approvals



ROHS

Conform

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### Downloads

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">ISO/IEC and TIA/EIA DE</a><br><a href="#">ISO/IEC EN and TIA/EIA Screened Class E Category 6, 3 connector permanent link</a><br><a href="#">ISO/IEC EN and TIA/EIA Screened Class E Category 6, 4 connector channel</a><br><a href="#">ISO/IEC EN and TIA/EIA Screened Class EA Category 6A, 2 connector channel</a><br><a href="#">Compliance Statement Screened Category 6 ISO/IEC EN and TIA/EIA Connecting Hardware</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                                                                                                                                                                                                                         |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</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 FREECONTACT 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>                                                                                                                                                                                                                                                                              |

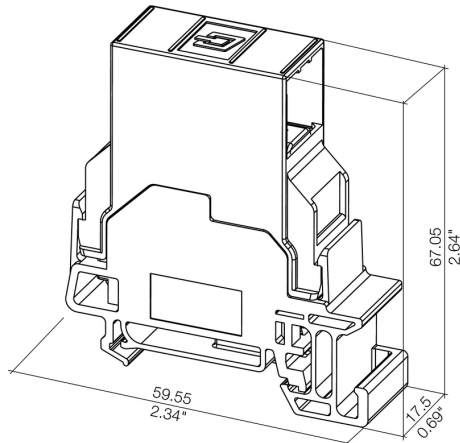
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# Drawings

## Dimensioned drawing



## Drawing

