

## IE-PI-RJ45-FH-A-1.6

**Weidmüller Interface GmbH & Co. KG**  
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Germany

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

### General ordering data

|            |   |
|------------|---|
| Version    | Substitute wire manager, RJ45, Cat.6A / Class EA (ISO/IEC 11801 2010), EIA/TIA T568 A |
| Order No.  | <a href="#">1992880000</a>  |
| Type       | IE-PI-RJ45-FH-A-1.6   |
| GTIN (EAN) | 4050118378030   |
| Qty.       | 30 items  |

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## Technical data

## Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate No. (cURus) | E471884                    |

## Dimensions and weights

|            |        |
|------------|--------|
| Net weight | 4.17 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

|  |   |  |  |
|--|---|--|--|
| Wiring   | EIA/TIA T568 A  | Insulation cross-section, min.                               | 1.1 mm   |
| Insulation cross-section, max.                         | 1.6 mm  | Category   | Cat.6A / Class EA (ISO/IEC 11801 2010)                         |
| 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                 | Shielding  | 360°; shield contact   |
| Protection degree                                      | IP20  | 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             | Current-carrying capacity at 50 °C    | 1 A            |
| PoE / PoE+                             | conforming to IEEE 802.3at |                                       |                |

## General standards

|                         |         |                    |                |
|-------------------------|---------|--------------------|----------------|
| Certificate No. (cURus) | E471884 | Connector standard | IEC 60603-7-51 |
|-------------------------|---------|--------------------|----------------|

## 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 |             |             |