

IE-PS-RJ45-FH-180-A-1.6**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), EIA/TIA T568 A |
| Order No. | 1992820000 |
| Type | IE-PS-RJ45-FH-180-A-1.6 |
| GTIN (EAN) | 4050118377897 |
| Qty. | 1 pc(s). |

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | |
|------------|------|
| Net weight | 30 g |
|------------|------|

Temperatures

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

General data

| | | | |
|--|--|--|--|
| Wiring | EIA/TIA T568 A | Housing main material | Zinc diecast, nickel-plated |
| Speed | 10 GBit | Insulation cross-section, min. | 1.1 mm |
| Insulation cross-section, max. | 1.6 mm | Category | Cat.6 _A / Class E _A (ISO/IEC 11801 2010) |
| Contact surface | Gold over nickel | Connection diameter, solid | 0.51...0.64 mm |
| Wire connection diameter, solid, min. | 0.51 mm | Conductor connection cross-section, solid (AWG) | AWG 24...AWG 22 |
| Wire connection diameter, solid, max. | 0.64 mm | Connection diameter, flexible | 0.46...0.76 mm |
| Wire cross-section, solid, min. (AWG) | AWG 24 | Wire cross-section, solid, max. (AWG) | AWG 22 |
| Conductor connection cross-section, flexible (AWG) | AWG 27...AWG 22 | Wire connection diameter, flexible, min. | 0.46 mm |
| Wire connection diameter, flexible, max. | 0.76 mm | Wire cross-section, finely stranded, min. (AWG) | AWG 27 |
| Wire cross-section, finely stranded, max. (AWG) | AWG 22 | Conductor connection cross-section, extremely flexible | 0.61...0.78 mm, Approval of the cable by Weidmüller necessary |
| Conductor connection diameter, very finely stranded, min. | 0.61 mm | Conductor connection cross-section, very finely stranded, max. | 0.78 mm |
| Conductor connection cross-section, extremely flexible (AWG) | AWG 24...AWG 22, Approval of the cable by Weidmüller necessary | Conductor connection cross-section, very finely stranded, min. (AWG) | AWG 24 |
| Conductor connection cross-section, very finely stranded, max. (AWG) | AWG 22 | 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 | | |

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 802.3at |

General standards

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC001121 | ETIM 7.0 | 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 |

Data sheet**IE-PS-RJ45-FH-180-A-1.6****Weidmüller Interface GmbH & Co. KG**
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Technical data**Approvals**

Approvals



| | |
|-----------------------|---------|
| ROHS | Conform |
| UL File Number Search | E471884 |

Downloads

| | |
|--------------------|--|
| Engineering Data | EPLAN, WSCAD |
| User Documentation | MAN IE GUIDE DE MAN IE GUIDE EN Manual |

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Drawings

Dimensioned drawing

