

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 pièce(s) |

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Caractéristiques techniques

Dimensions and weights

Net weight 27 g

Temperatures

Operating temperature -40 °C...85 °C

General data

| | | | |
|--|--|--|---|
| Outlet direction | straight | Connection 1 | RJ45 |
| Connection 2 | Piercing | Wiring | EIA/TIA T568 A |
| Housing main material | Zinc diecast, nickel-plated | 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 |
| 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 |
| Sheath diameter, min. | 5 mm | Sheath diameter, max. | 9 mm |
| Shielding | 360°; all-round enclosure | Protection degree | IP20 |
| Plugging cycles | 750 | Ability to reconnect | ≤ 4 cycles (with the same cross-section) |

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 802.3at |

General standards

| | | | |
|-----------------------|-----------------|-------------------------|---------|
| Certificate No. (DNV) | TAE00003EW | Certificate no. (cULus) | E471884 |
| Connector standard | IEC 60603-7-5 1 | | |

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 |
| ECLASS 14.0 | 27-44-03-90 | | |

Environmental Product Compliance

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

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Caractéristiques techniques

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E471884 |

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | PROFINET Manufacturer's Declaration |
| Engineering Data | CAD data – STEP |
| User Documentation | MAN IE GUIDE DE MAN IE GUIDE EN Manual |
| Catalogues | Catalogues in PDF-format |
| Brochures | MB FREECONTACT EN FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN |

Fiche de données

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Dessins

Dimensioned drawing

