

IE-PS-RJ45-FH-180-A-1.1-CG

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, Cable gland, Cat.6A / Class EA (ISO/IEC 11801 2010), EIA/TIA T568 A |
| Order No. | 2703440000 |
| Type | IE-PS-RJ45-FH-180-A-1.1-CG |
| GTIN (EAN) | 4050118734966 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



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

Dimensions and weights

| | |
|------------|---------|
| Net weight | 22.88 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

| | | | |
|--|---|--|---|
| 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. | 0.85 mm |
| Insulation cross-section, max. | 1.1 mm | Category | Cat.6A / Class EA (ISO/IEC 11801 2010) |
| Contact surface | Gold over nickel | Connection diameter, solid | 0.41...0.51 mm |
| Conductor connection cross-section, solid (AWG) | AWG 26...AWG 24 | Connection diameter, flexible | 0.46...0.61 mm |
| Conductor connection cross-section, flexible (AWG) | AWG 27...AWG 24 | Conductor connection cross-section, extremely flexible | 0.51, Approval of the cable by Weidmüller necessary |
| Conductor connection cross-section, extremely flexible (AWG) | AWG 26, 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 | Dielectric strength, contact / shield | ≥ 1500 V AC/DC |
| Dielectric strength, contact / contact | ≥ 1000 V AC/DC | Insulation resistance | ≥ 500 MΩ |
| Current-carrying capacity at 50 °C | 1 A | PoE / PoE+ | conforming to IEEE 802.3at |

General standards

| | | | |
|-------------------------|------------|--------------------|----------------|
| Certificate No. (DNV) | TAE00003EW | Connector standard | IEC 60603-7-51 |
| Certificate no. (cULus) | E471884 | | |

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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 | | |

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Drawings

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