

IE-PS-RJ45-FH-BK**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



RJ45 plug-in connector (tool-less) according to IEC 60603-7-51 for wire outer diameters up to 1.6 mm

General ordering data

| | |
|------------|---|
| Version | RJ45 IDC plug, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), 8-core, 4-core, EIA/TIA T568 A, EIA/TIA T568 B, PROFINET |
| Order No. | 1963600000 |
| Type | IE-PS-RJ45-FH-BK |
| GTIN (EAN) | 4032248645725 |
| Qty. | 10 pc(s). |

Creation date 11 January 2022 02:00:07 CET

Catalogue status 17.12.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | |
|------------|----------|
| Net weight | 17.831 g |
|------------|----------|

Temperatures

| | |
|-----------------------|----------------|
| Operating temperature | -40 °C...70 °C |
|-----------------------|----------------|

General data

| | | | |
|--|--|--|--|
| Fire load | 77 kJ | Halogen | No |
| Material locking lever | PA UL94-V0 | Material strain relief | PA UL94-V0 |
| Connection 1 | RJ45 | Connection 2 | IDC |
| Configuration | Eight-wire field-assembled RJ45 plug with colour coding on the plug, TIA A/B/ProfiNet, multiport-ready | Wiring | 8-core, 4-core, EIA/TIA T568 A, EIA/TIA T568 B, PROFINET |
| Speed | 10 GBit/s | Insulation cross-section, min. | 0.85 |
| Insulation cross-section, max. | 1.6 | Category | Cat.6 _A / Class E _A (ISO/IEC 11801 2010) |
| Contact material | Phosphorus bronze | Connection diameter, solid | 0.41...0.64 |
| Conductor connection cross-section, solid (AWG) | AWG 24/1...AWG 22/1 | Conductor connection cross-section, solid | 0.13...0.32 mm ² |
| Connection diameter, flexible | 0.48...0.76 mm | Conductor connection cross-section, flexible (AWG) | AWG 26/7...AWG 22/7 |
| Wire connection cross section, finely stranded, min. | 0.141 mm ² | Conductor connection cross-section, flexible | 0.14...0.35 mm ² |
| Conductor connection cross-section, extremely flexible | , Approval of the cable by Weidmüller necessary | Conductor connection cross-section, extremely flexible (AWG) | , Approval of the cable by Weidmüller necessary |
| Note, very finely stranded line connection | Approval of the cable by Weidmüller necessary | MICE classification M | M ₁ |
| MICE classification I | I ₁ | MICE classification C | C ₁ |
| MICE classification E | E ₃ | Sheath diameter, min. | 5.5 mm |
| Sheath diameter, max. | 8.5 mm | Shielding | 360°; all-round enclosure |
| Protection degree | IP20 | Insertion force | ≤ 30 N |
| Material insulator | PA UL94-V0 | Ability to reconnect | ≥ 10 cycles (for the same or larger cross-section) |

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 |
| PoE / PoE+ | conforming to IEEE 802.3at | | |

General standards

| | | | |
|---|------------------------------------|-------------------------|-----------|
| Application-specific communication cable facilities | PROFINET installation instructions | Certificate no. (cULus) | E316369 |
| Connector standard | IEC 60603-7-5 1 | IP protection classes | IEC 60529 |
| UL standard for communication accessories | UL 1863 | | |

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Technical data**Classifications**

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC001121 | ETIM 7.0 | EC001121 |
| ETIM 8.0 | 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 | | |

Approvals

Approvals



| | |
|-----------------------|---------|
| ROHS | Conform |
| UL File Number Search | E316369 |

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | GOST Approval ISO/IEC EN and TIA/EIA Screened Class EA Category 6A, 4 connector channel DUXR.E316369 CC-Link IE-PS-RJ45-FH-BK |
| Engineering Data | CAD data – STEP |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| 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 |

Data sheet

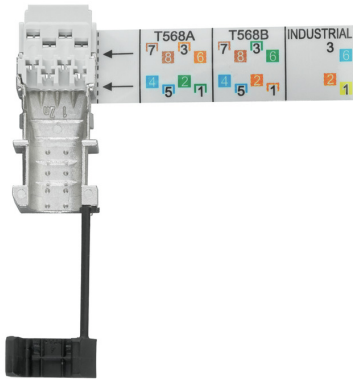
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Drawings

Printing



Dimensioned drawing

