

IE-PS-RJ45-FH-BK-P**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.5 (ISO/IEC 11801), 4-core, PROFINET |
| Order No. | 1132060000 |
| Type | IE-PS-RJ45-FH-BK-P |
| GTIN (EAN) | 4032248912162 |
| Qty. | 10 pc(s). |

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Technical data

Dimensions and weights

| | |
|------------|--------|
| Net weight | 19.9 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 |
| Wiring | 4-core, PROFINET | Housing main material | Zinc diecast |
| Insulation cross-section, min. | 0.85 mm | Insulation cross-section, max. | 1.6 mm |
| Category | Cat.5 (ISO/IEC 11801) | Contact material | Phosphorus bronze |
| Contact surface | Gold over nickel | Connection diameter, solid | 0.41...0.64 mm |
| Conductor connection cross-section, solid (AWG) | AWG 26/1...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 |
| Plugging cycles | 750 | 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 AC/DC | Dielectric strength, contact / shield | ≥ 1500 V AC/DC |
| Insulation strength | ≥ 500 MΩ | PoE / PoE+ | conforming to IEEE 802.3at |

General standards

| | | | |
|---|------------------------------------|-------------------------|-----------|
| Application-specific communication cable facilities | PROFINET installation instructions | Certificate no. (cULus) | E316369 |
| Connector standard | IEC 60603-7-51 | IP protection classes | IEC 60529 |
| UL standard for communication accessories | UL 1863 | | |

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 |

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Technical data

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E316369 |

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | DUXR.E316369 CC-Link IE-PS-RJ45-FH-BK PROFINET Manufacturer's Declaration |
| Engineering Data | CAD data – STEP |
| Engineering Data | Zuken E3.S |
| Product Change Notification | TI_20171120_RJ45PN |
| User Documentation | MAN IE GUIDE DE MAN IE GUIDE EN Manual |
| Catalogues | Catalogues in PDF-format |
| Brochures | MB FREECONCONTACT EN FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN |

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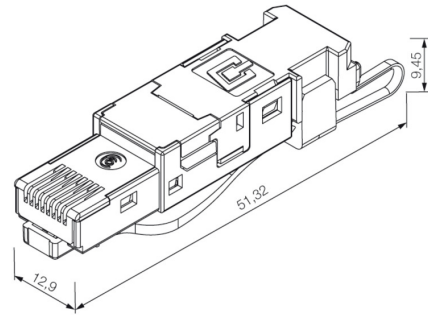
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Drawings

Printing



Dimensioned drawing



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www.weidmueller.com**Accessories****Dust caps**

For protecting your devices against dust and dirt.

General ordering data

| | |
|------------|----------------------------|
| Type | IE-PP-RJ45 |
| Order No. | 2552580000 |
| GTIN (EAN) | 4050118562583 |
| Qty. | 10 pc(s). |

Coloured strain relief

For identifying your IP20 RJ45 plugs, which can be assembled on-site, in 6 different colours

General ordering data

| | | |
|------------|----------------------------|--|
| Type | IE-CR-IP20-RJ45-FH-YE | Version |
| Order No. | 1963090000 | Industrial Ethernet, Colour coding ring, yellow, Strain relief, yellow |
| GTIN (EAN) | 4032248645275 | |
| Qty. | 10 pc(s). | |
| Type | IE-CR-IP20-RJ45-FH-GN | Version |
| Order No. | 1963100000 | Industrial Ethernet, Colour coding ring, green, Strain relief, green |
| GTIN (EAN) | 4032248645282 | |
| Qty. | 10 pc(s). | |
| Type | IE-CR-IP20-RJ45-FH-BU | Version |
| Order No. | 1963080000 | Industrial Ethernet, Colour coding ring, blue, Strain relief, blue |
| GTIN (EAN) | 4032248645268 | |
| Qty. | 10 pc(s). | |
| Type | IE-CR-IP20-RJ45-FH-GY | Version |
| Order No. | 1963060000 | Industrial Ethernet, Colour coding ring, grey, Strain relief, grey |
| GTIN (EAN) | 4032248645244 | |
| Qty. | 10 pc(s). | |
| Type | IE-CR-IP20-RJ45-FH-WH | Version |
| Order No. | 1963050000 | Industrial Ethernet, Colour coding ring, white, Strain relief, white |
| GTIN (EAN) | 4032248645237 | |
| Qty. | 10 pc(s). | |

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www.weidmueller.com**Accessories**

| | | |
|------------|----------------------------|--|
| Type | IE-CR-IP20-RJ45-FH-OG | Version |
| Order No. | 1963070000 | Industrial Ethernet, Colour coding ring, orange, Strain relief, orange |
| GTIN (EAN) | 4032248645251 | |
| Qty. | 10 pc(s). | |

Pressing tool

When working with live voltages, you must follow special guidelines and use special tools - tools which have been specially produced and tested for this purpose.

Weidmüller offers a complete line of pliers which comply with national and international testing standards.

All pliers are produced and tested according to DIN EN 60900.

The pliers are ergonomically designed to fit to the hand form, and thus feature an improved hand position. The fingers are not pressed together - this results in less fatigue during operation.

General ordering data

| | | |
|------------|----------------------------|----------------|
| Type | PWZ RJ45 | Version |
| Order No. | 1118040000 | Pressing tools |
| GTIN (EAN) | 4032248899197 | |
| Qty. | 1 pc(s). | |