

**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.6A / Class E <sub>A</sub> (ISO/IEC 11801 2010), 8-core, 4-core, EIA/TIA T568 A, EIA/TIA T568 B, PROFINET |
| Order No.  | <a href="#">1963600000</a>  |
| Type       | IE-PS-RJ45-FH-BK  |
| GTIN (EAN) | 4032248645725   |
| Qty.       | 10 pc(s).   |

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Catalogue status 21.05.2021 / 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 |
| Housing main material                                  | Zinc diecast   | Speed  | 10 GBit/s  |
| Insulation cross-section, min.                         | 0.85 mm  | Insulation cross-section, max.                               | 1.6 mm   |
| Category   | Cat.6A / Class EA (ISO/IEC 11801 2010)   | Contact material   | Phosphorus bronze  |
| Contact surface  | Gold over nickel   | Connection diameter, solid                                   | 0.41...0.64 mm   |
| Conductor connection cross-section, solid (AWG)        | AWG 24/1...AWG 22/1  | Conductor connection cross-section, solid                    | 0.13...0.32 mm <sup>2</sup>                              |
| 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 <sup>2</sup>  | Conductor connection cross-section, flexible                 | 0.14...0.35 mm <sup>2</sup>                              |
| 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 <sub>1</sub>   |
| MICE classification I                                  | I <sub>1</sub>   | MICE classification C  | C <sub>1</sub>   |
| MICE classification E                                  | E <sub>3</sub>   | 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 DC | Dielectric strength, contact / shield | ≥ 1500 V 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 60603-7-5 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    |
| 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 | <a href="#">GOST Approval</a><br><a href="#">ISO/IEC EN and TIA/EIA Screened Class EA Category 6A, 4 connector channel DUXR.E316369</a><br><a href="#">CC-Link IE-PS-RJ45-FH-BK</a> |
| Engineering Data                            | <a href="#">STEP</a>  |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>  |
| User Documentation                          | <a href="#">MAN IE GUIDE DE</a><br><a href="#">MAN IE GUIDE EN</a><br><a href="#">Manual</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |
| Brochures                                   | <a href="#">MB FREECONCONTACT EN</a><br><a href="#">FL FIELDWIRING EN</a><br><a href="#">PI PROFINET CABLING EN</a><br><a href="#">PI PROFINET CABLING EN</a>                       |

**Data sheet**

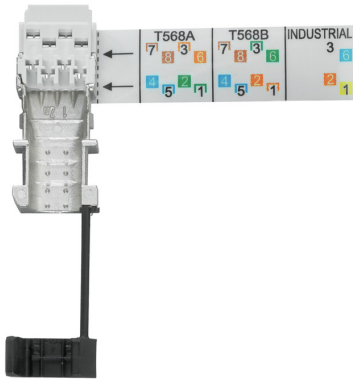
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**Drawings**

**Printing**



**Dimensioned drawing**

