

CUC-INI-C1ZNI-S/R4IE10G8 - RJ45 male insert



1157964

<https://www.phoenixcontact.com/us/products/1157964>

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RJ45 male insert, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6_A (IEC 60512-27-100:2008, TIA-568-C.2:2009), material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: straight, Ethernet

Your advantages

- Easy and time-saving assembly with IDC fast connection technology
- Can be used internationally due to EAC, UL 1863, and CAN/CSA C22.2
- Ideal companion for servicing or repairs in the field: no special tools required for mounting

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1157964 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB10 |
| Product key | ABNAAB |
| GTIN | 4063151163914 |
| Weight per piece (including packing) | 21 g |
| Weight per piece (excluding packing) | 18.7 g |
| Customs tariff number | 85366990 |
| Country of origin | PL |

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Technical data

Product properties

| | |
|----------------------|----------------|
| Type | RJ45 |
| Product type | Data plug |
| Sensor type | Ethernet |
| Number of positions | 8 |
| Connection profile | RJ45 |
| No. of cable outlets | 1 |
| Type | RJ45 |
| Series | HC-M-RJ45-AD-I |
| Shielded | yes |
| Cable outlet | straight |
| Positions/contacts | 8P8C |

Insulation characteristics

| | |
|----------------------|---|
| Overvoltage category | I |
| Degree of pollution | 2 |

Electrical properties

| | |
|---|--|
| Rated voltage (III/3) | 72 V (DC) |
| Rated current | 1.75 A |
| Contact resistance | < 20 mΩ (Contact) < 100 mΩ (shield) |
| Insulation resistance | > 500 MΩ |
| Contact resistance per contact pair | < 20 Ω |
| Contact resistance | > 10 mΩ (Wire – IDC) 0.005 Ω (Litz wires – IDC) |
| Transmission characteristics (category) | CAT6 _A |
| Transmission speed | 10 Gbps |
| Power transmission | PoE++ |
| Wave impedance | 100 Ω |

Dimensions

| | |
|--------|---------|
| Width | 13.6 mm |
| Height | 43.4 mm |
| Length | 10.5 mm |

Material specifications

| | |
|--|-------|
| Flammability rating according to UL 94 | V0 |
| Housing surface material | Ni |
| Contact material | CuSn |
| Contact surface material | Au/Ni |
| Material for screw connection | PA |

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| | |
|------------------|-------|
| Housing material | Metal |
|------------------|-------|

Cable/line

| | |
|-----------------------------|---------------|
| External cable diameter () | 5 mm ... 9 mm |
| External cable diameter | 5 mm ... 9 mm |
| Test voltage Core/Core | 1000 V |
| Test voltage Core/Shield | 1500 V |
| Wave impedance | 100 Ω |

Mechanical properties

Mechanical data

| | |
|-------------------------------------|-------------|
| Insertion/withdrawal cycles | ≥ 750 |
| Insertion force per signal contact | < 20.00 N |
| Extraction force per signal contact | < 20 N |

Environmental and real-life conditions

Ambient conditions

| | |
|---|------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |

Mounting

| | |
|-------------------|------------------------------------|
| Mounting type | For field assembly |
| Connection method | Insulation displacement connection |

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1157964>

|  cULus Recognized Approval ID: E335024-20170228 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 56.5 V | 0.175 A | - | - |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440101 |
| ECLASS-12.0 | 27440113 |
| ECLASS-13.0 | 27440113 |

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC002636 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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Environmental product compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

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Accessories

VS-CABLE-STRIP-VARIO - Stripping tool

1657407

<https://www.phoenixcontact.com/us/products/1657407>

Stripping tool, for the multi-level stripping of shielded cables



MICROFOX-SP-1 - Diagonal cutter

1212487

<https://www.phoenixcontact.com/us/products/1212487>

Electronic diagonal cutter, tapered head, without chamfer, with opening spring, non-reflective phosphate-treated surface, punched version



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CUC-V14-C1ZNI-S/R4IE10G8 - RJ45 connector

1149841

<https://www.phoenixcontact.com/us/products/1149841>



RJ45 connector, degree of protection: IP65/IP67, number of positions: 8, 10 Gbps, CAT6_A, connection method: IDC fast connection, connection cross section: AWG 26- 24, cable outlet: straight, Ethernet

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