# CUC-V14-C1ZNI-B/R4P8 - RJ45 connector

1422665

https://www.phoenixcontact.com/us/products/1422665

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IDC



RJ45 connector, RJ45, Ethernet, CAT5 (1 Gbps), 8-position, connection method: IDC fast connection, material: Metal, connection cross section: AWG 23- 22, degree of protection: IP65/IP67

## Your advantages

- Push-pull ADVANCE connector
- Locking system to prevent inadvertent release
- Protected data transmission thanks to 360° shielding concept
- Highest ESD and EMC resistance for reliable transmission

## Commercial data

| | |
|---|---|
| Item number | 1422665 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB17 |
| Product key | ABNOAA |
| GTIN | 4055626311357 |
| Weight per piece (including packing) | 105.5 g |
| Weight per piece (excluding packing) | 95.807 g |
| Customs tariff number | 85366990 |
| Country of origin | PL |

## Technical data

### Notes

| | |
|---|---|
| General | This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 3.01, Order No. 2252 |

### Product properties

| | |
|---|---|
| Product type | Data connector (cable side) |
| Type | RJ45 |
| Number of positions | 8 |
| Connection profile | RJ45 |
| No. of cable outlets | 1 |
| Shielded | yes |
| Cable outlet | angled |

Insulation characteristics

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

### Electrical properties

| | |
|---|---|
| Rated voltage (III/3) | 72 V (DC) |
| Rated current | 1.75 A |
| Frequency range | to 100 MHz |
| Nominal voltage $U_N$ | 48 V |
| Transmission medium | Copper |
| Transmission speed | 1 Gbps |
| Transmission characteristics (category) | CAT5 |
| Power transmission | PoE++ in accordance with: IEEE 802.3bt |

### Connection data

Connection technology

| | |
|---|---|
| Connection method | IDC fast connection |
| Connection technology | QUICKON connection |
| Connection cross section AWG | 23 ... 22 (solid) |
| | 23 ... 22 (flexible) |
| Conductor cross-section | 0.23 mm² ... 0.32 mm² (solid) |
| | 0.23 mm² ... 0.36 mm² (flexible) |

### Interfaces

| | |
|---|---|
| Signal type/category | Ethernet CAT5, 1 Gbps |

### Dimensions

| | |
|---|---|
| Width | 22 mm |

| | |
|---|---|
| Height | 50 mm |
| Length | 80 mm |

## Material specifications

| | |
|---|---|
| Flammability rating according to UL 94 | V0 |
| Seal material | NBR |
| Housing material | Metal |
| Housing surface material | nickel-plated |

## Cable/line

| | |
|---|---|
| External cable diameter | 5.5 mm ... 10 mm |
| External cable diameter | 5.5 mm ... 10 mm |
| Cable cross section | 0.25 mm² |

## Mechanical properties

Mechanical data

| | |
|---|---|
| Insertion/withdrawal cycles | ≥ 750 |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection | IP65/IP67 |
| Ambient temperature (operation) | -40 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |
| Ambient temperature (assembly) | -10 °C ... 40 °C |

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1422665

**cULus Recognized**
Approval ID: E335024-20170228

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 56.5 V | 1.75 A | - | - |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440290 |
| ECLASS-15.0 | 27440114 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002636 |

### UNSPSC

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

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 3b46581b-5e8d-44c7-b307-f205cdab37e6 |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 4.911 kg CO2e |


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