# CUC-K-J1ZNI-S/R4IDC8 - RJ45 jack insert

1419021

https://www.phoenixcontact.com/us/products/1419021

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RJ45 jack insert, RJ45, Ethernet, CAT6$_A$ (10 Gbps), 8-position, connection method: IDC connection, material: Metal, connection cross section: AWG 26- 22, degree of protection: IP20, Keystone design for use with IP20 panel mounting frame or integrated directly into the housing panel

## Product description

Keystone system

## Your advantages

- Assembly without special tools
- Compact design
- Rugged design

## Commercial data

| | |
|---|---|
| Item number | 1419021 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB10 |
| Product key | ABNACA |
| GTIN | 4055626251448 |
| Weight per piece (including packing) | 20.13 g |
| Weight per piece (excluding packing) | 20.13 g |
| Customs tariff number | 85366990 |
| Country of origin | PL |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Female insert |
| Type | RJ45 |
| Number of positions | 8 |
| Connection profile | RJ45 |
| No. of cable outlets | 1 |
| Number of slots | 1 |
| Shielded | yes |
| Cable outlet | straight |

Insulation characteristics

| | |
|---|---|
| Overvoltage category | III |

### Electrical properties

| | |
|---|---|
| Rated voltage (III/3) | 72 V (DC) |
| Rated surge voltage | 0.8 kV |
| Frequency range | 500 MHz |
| Insulation resistance | > 500 MΩ (100 V DC) |
| Nominal voltage $U_N$ | 72 V (DC) |
| Nominal current $I_N$ | 1.5 A |
| Transmission medium | Copper |
| Transmission speed | 10 Gbps |
| Transmission characteristics (category) | $CAT6_A$ |
| Power transmission | PoE+ |

### Connection data

Connection technology

| | |
|---|---|
| Connection method | IDC connection |

### Interfaces

| | |
|---|---|
| Signal type/category | Ethernet $CAT6_A$, 10 Gbps |

### Material specifications

| | |
|---|---|
| Housing material | Metal |
| Housing surface material | metal-plated |
| Contact material | Copper alloy |
| Contact surface material | Gold |
| Contact carrier material | PC |
| Material, protective cover | PC |

### Cable/line

| | |
|---|---|
| External cable diameter | 4.5 mm ... 9 mm |

| | |
|---|---|
| Wire diameter | 0.4 mm ... 0.65 mm |
| Wire diameter including insulation | 0.8 mm ... 1.6 mm |

## Mechanical properties

Mechanical data

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

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection | IP20 |
| | IP20 |
| Ambient temperature (operation) | -25 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |

## Mounting

| | |
|---|---|
| Mounting type | Snap in |

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1419021

**cUL Recognized**
Approval ID: E335024-DUXR8

**UL Recognized**
Approval ID: E335024-DUXR2

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440390 |
| ECLASS-15.0 | 27440318 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002597 |

### UNSPSC

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

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 1.553 kg CO2e |


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