

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



1419021

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

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RJ45 jack insert, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, material: Metal, connection method: IDC connection, connection cross section: AWG 26-22, cable outlet: straight, Keystone design for use with IP20 panel mounting frame or integrated directly into the housing panel, Ethernet

## 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            |

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## 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 M $\Omega$ (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 <sub>A</sub>           |
| Power transmission                      | PoE+                        |

### Connection data

#### Connection technology

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

### Interfaces

|                      |                                      |
|----------------------|--------------------------------------|
| Signal type/category | Ethernet CAT6 <sub>A</sub> , 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

|                      |                                      |
|----------------------|--------------------------------------|
| Signal type/category | Ethernet CAT6 <sub>A</sub> , 10 Gbps |
|----------------------|--------------------------------------|

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|                                    |                    |
|------------------------------------|--------------------|
| 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 |
|---------------|---------|

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## Approvals

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**cUL Recognized**

Approval ID: E335024-DUXR8



**UL Recognized**

Approval ID: E335024-DUXR2

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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

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## 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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