

## RJ45 connector - CUC-IND-C1ZNI-B/R4IE8 - 1421876

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RJ45 connector, contact inserts: x , degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Zinc die-cast, connection method: IDC fast connection, connection cross section: AWG 26- 24, cable outlet: angled

### Why buy this product

- assembly without special tools
- One-Piece Design
- AWG 26-24
- 360° shielding
- High shock and vibration resistance



### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 STK   |
| GTIN         | <br>4 055626 287560 |
| GTIN         | 4055626287560   |

### Technical data

#### Mechanical characteristics

|                              |   |
|------------------------------|---|
| Number of positions          | 8   |
| Connection profile           | RJ45  |
| Insertion/withdrawal cycles  | ≥ 750   |
| Connection method            | IDC fast connection   |
| Conductor cross section      | 0.14 mm <sup>2</sup> ... 0.25 mm <sup>2</sup> (solid)<br>0.14 mm <sup>2</sup> ... 0.25 mm <sup>2</sup> (flexible) |
| Connection cross section AWG | 26 ... 24 (solid)<br>26 ... 24 (flexible)   |
| Max. cable diameter          | 5 mm ... 9 mm   |
| External cable diameter      | 5 mm ... 9 mm   |
| Cable outlet                 | angled  |

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## Technical data

### Mechanical characteristics

|                                    |            |
|------------------------------------|------------|
| Wire diameter including insulation | ≤ 1.6 mm   |
| Degree of protection               | IP20       |
| Type                               | RJ45, IP20 |
| No. of cable outlets               | 1          |

### Ambient conditions

|                                 |  |
|---------------------------------|--|
| Ambient temperature (operation) | -40 °C ... 70 °C (cable, fixed installation) |
|---------------------------------|--|

### Material data

|  |                  |
|--|------------------|
| Flammability rating according to UL 94 | V0               |
| Housing material                       | Zinc die-cast    |
| Contact carrier material               | PC               |
| Contact material                       | Copper alloy     |
| Contact surface material               | Gold over nickel |

### Electrical characteristics

|   |   |
|---|---|
| Number of positions                     | 8   |
| Transmission speed                      | 1 Gbps                                      |
| Transmission characteristics (category) | CAT5 (IEC 11801:2002)                       |
| GRP transmission properties             | CAT5 (IEC 11801:2002) CAT5 (IEC 11801:2002) |
| Transmission speed                      | 1 Gbps                                      |
| Frequency range                         | to 100 MHz                                  |
| Rated current                           | 1.75 A                                      |
| Overvoltage category                    | I   |
| Contact resistance                      | 0.001 Ω (Wire – IDC)                        |
|   | 0.005 Ω (Litz wires – IDC)                  |
| Rated voltage (III/3)                   | 72 V (DC)                                   |

### Standards and Regulations

|  |    |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

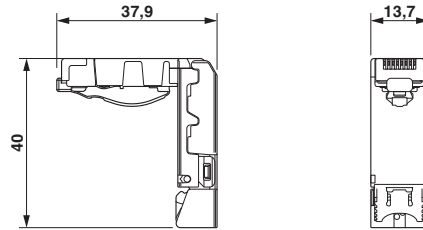
### Environmental Product Compliance

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

## Drawings

# RJ45 connector - CUC-IND-C1ZNI-B/R4IE8 - 1421876

Dimensional drawing



RJ45 connector, IP20

## Approvals


Approvals

Approvals

cULus Recognized

Ex Approvals

## Approval details

|                    |   |  |
|--------------------|---|--|
| cULus Recognized   |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E335024-20170228 |
| Nominal voltage UN | 56.5 V  |  |
| Nominal current IN | 0.175 A   |  |

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>