

## RJ45 connector - CUC-INI-C1ZNI-S/R4IP8 - 1421129

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RJ45 connector, 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 23- 22, cable outlet: straight

### Your advantages

- assembly without special tools
- One-Piece Design
- AWG 23-22
- 360° shielding
- High shock and vibration resistance



### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 pc  |
| GTIN         | <br>4 055626 254685 |
| GTIN         | 4055626254685   |

### Technical data

#### Mechanical characteristics

|                              |   |
|------------------------------|---|
| Number of positions          | 8   |
| Connection profile           | RJ45  |
| Insertion/withdrawal cycles  | ≥ 750   |
| Connection method            | IDC fast connection   |
| Conductor cross section      | 0.23 mm <sup>2</sup> ... 0.32 mm <sup>2</sup> (solid)<br>0.23 mm <sup>2</sup> ... 0.36 mm <sup>2</sup> (flexible) |
| Connection cross section AWG | 23 ... 22 (solid)<br>23 ... 22 (flexible)   |
| Max. cable diameter          | 5 mm ... 9 mm   |
| External cable diameter      | 5 mm ... 9 mm   |
| Cable outlet                 | straight  |

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

### 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 |
| Height                                 | 43.4 mm          |

### Electrical characteristics

|   |  |
|---|--|
| Number of positions                     | 8  |
| Nominal voltage U <sub>N</sub>          | 48 V   |
| 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)<br>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          |

## Approvals

### Approvals

Approvals

cULus Recognized / EAC

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### Approvals


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Ex Approvals

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#### 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   |  |

|     |   |         |
|-----|---|---------|
| EAC |  | B.01742 |
|-----|---|---------|

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