

## RJ45 connector - CUC-IND-C1ZNI-S/R4IP8 - 1421126

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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

### Why buy this product

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



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 STK   |
| GTIN                                 | <br>4 055626 254654 |
| GTIN                                 | 4055626254654   |
| Weight per Piece (excluding packing) | 28.900 g  |
| Country of origin                    | Germany   |
| Sales Key                            | ABNAAA  |

### 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> (stranded) |
| Connection cross section AWG | 23 ... 22 (solid)<br>23 ... 22 (stranded)   |
| Max. cable diameter          | 5 mm ... 9 mm   |
| External cable diameter      | 5 mm ... 9 mm   |

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### Technical data

#### Mechanical characteristics

|                                    |            |
|------------------------------------|------------|
| Cable outlet                       | straight   |
| 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 |

#### Electrical characteristics

|   |                            |
|---|----------------------------|
| Number of positions                     | 8                          |
| Transmission speed                      | 1 Gbps                     |
| Transmission characteristics (category) | CAT5 (IEC 11801:2002)      |
| GRP transmission properties             | 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)                   | 50 V                       |

#### Standards and Regulations

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

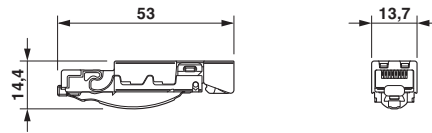
#### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

# RJ45 connector - CUC-IND-C1ZNI-S/R4IP8 - 1421126

Dimensional drawing



RJ45 connector, IP20

## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27143424 |
| eCl@ss 5.1 | 27143424 |
| eCl@ss 6.0 | 27261204 |
| eCl@ss 7.0 | 27440205 |
| eCl@ss 8.0 | 27440101 |
| eCl@ss 9.0 | 27440101 |

ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC002636 |
| ETIM 6.0 | EC002636 |

UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121409 |
|-------------|----------|

## Approvals

Approvals

Approvals

cULus Recognized

Ex Approvals

Approval details

# RJ45 connector - CUC-IND-C1ZNI-S/R4IP8 - 1421126

## Approvals

|                                |         |  |
|--------------------------------|---------|--|
| 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 current I <sub>N</sub> | 0.175 A |  |
| Nominal voltage U <sub>N</sub> | 56.5 V  |  |

## Accessories

### Accessories

#### Data cable by the meter

Network cable - VS-OE-OE-93B-100,0 - 1416389



Network cable, PROFINET CAT5 (100 Mbps), 4-position, PVC, green RAL 6018, shielded, free cable end, on free cable end, cable length: 100 m

Network cable - VS-OE-OE-93B/... - 1417362



Network cable, PROFINET CAT5 (100 Mbps), 4-position, PVC, green RAL 6018, shielded, free cable end, on free cable end, cable length: Free entry (0.5 ... 400 m)

### Electronics pliers

Diagonal cutter - MICROFOX-SP-1 - 1212487



Electronic diagonal cutter, tapered head, without chamfer, with opening spring, non-reflective phosphate-treated surface, punched version

### Female insert

RJ45 socket insert - CUC-F-J1ZNI-S/R4IDC8 - 1418984



RJ45 socket insert, type: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, material: Zinc die-cast, connection method: IDC connection, connection cross section: AWG 26- 22

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### Accessories

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#### RJ45 coupling - CUC-F-D1ZNI-S/R4GC8 - 1419022



RJ45 coupling, type: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT6, material: Zinc die-cast, connection method: Female

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#### RJ45 socket insert - CUC-K-J1ZNI-S/R4IDC8 - 1419021



RJ45 socket insert, type: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, material: Zinc die-cast, connection method: IDC connection, connection cross section: AWG 26- 22, Use only with IP20 panel mounting frame or integrated directly into the housing panel

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### Patch panel

#### DIN rail adapter - VS-PP-F-RJ45-CAT6 - 1658118



DIN rail adapter, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT6, material: PC-GF, connection method: IDC fast connection, connection cross section: AWG 24- 22, color: gray

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#### DIN rail adapter - CUC-PP-D1PGY/R4GC8 - 1418094



DIN rail adapter, type: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT6, material: PC-GF, connection method: Coupling, color: gray

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### Terminal marking

#### Marker for terminal blocks - TMT 5 R - 0816430



Marker for terminal blocks, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK S1.1, perforated, mounting type: snap into universal marker groove, snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 6.4 x 5.15 mm

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## RJ45 connector - CUC-IND-C1ZNI-S/R4IP8 - 1421126

### Accessories

#### Marker for terminal blocks - TMT 5 R RD - 0816427



Marker for terminal blocks, Roll, red, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK S1.1, perforated, mounting type: snap into universal marker groove, snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 6.4 x 5.15 mm

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#### Marker for terminal blocks - TMT 5 R GN - 0816401



Marker for terminal blocks, Roll, green, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK S1.1, perforated, mounting type: snap into universal marker groove, snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 6.4 x 5.15 mm

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#### Stripping tool - VS-CABLE-STRIP-VARIO - 1657407



Stripping tool, for the multi-level stripping of shielded cables

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