

## 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, color: green, PROFINET

### 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 254654 |
| GTIN                                 | 4055626254654   |
| Weight per Piece (excluding packing) | 18.100 g  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Poland  |
| Sales Key                            | ABNAAA  |

### Technical data

#### Mechanical characteristics

|                                     |                     |
|-------------------------------------|---------------------|
| Connection method                   | IDC fast connection |
| Minimum external conductor diameter | 5 mm                |
| Maximum external conductor diameter | 9 mm                |
| Overvoltage category                | I                   |
| AWG solid min.                      | 23                  |
| AWG solid max.                      | 22                  |
| AWG multi-stranded min.             | 23                  |

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### Technical data

#### Mechanical characteristics

|  |  |
|--|--|
| AWG multi-stranded max.                | 22   |
| Insertion/withdrawal cycles            | ≥ 750  |
| Number of positions                    | 8  |
| Degree of pollution                    | 2  |
| Cable outlet                           | straight   |
| No. of cable outlets                   | 1  |
| Locking type                           | Locking clips  |
| Conductor cross section                | 0.23 mm <sup>2</sup> ... 0.32 mm <sup>2</sup> (solid)    |
|  | 0.23 mm <sup>2</sup> ... 0.36 mm <sup>2</sup> (flexible) |
| Weight                                 | 18.1 g   |
| Flammability rating according to UL 94 | V0   |

#### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 70 °C |
|---------------------------------|------------------|

#### Material data

|                            |               |
|----------------------------|---------------|
| Contact surface material   | Au/Ni         |
| Contact material           | Copper alloy  |
| Contact carrier material   | PC            |
| Housing material           | Zinc die-cast |
| Width                      | 13.6 mm       |
| Height                     | 14.4 mm       |
| Length                     | 53 mm         |
| Housing surface material 1 | Cu/Ni         |

#### 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   |
| Degree of pollution                     | 2   |
| Contact resistance                      | 0.001 Ω (Wire – IDC)                        |
|   | 0.005 Ω (Litz wires – IDC)                  |
| Rated voltage (III/3)                   | 72 V (DC)                                   |
| Insulation resistance                   | > 500 MΩ                                    |

#### Standards and Regulations

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

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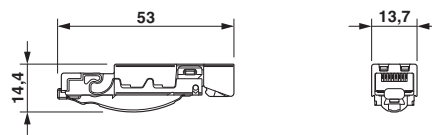
## Technical data

### Environmental Product Compliance

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

## Drawings

Dimensional drawing



RJ45 connector, IP20

## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440101 |
| eCl@ss 11.0   | 27440101 |
| eCl@ss 4.0    | 27260700 |
| eCl@ss 4.1    | 27260700 |
| eCl@ss 5.0    | 27260700 |
| eCl@ss 5.1    | 27260700 |
| eCl@ss 6.0    | 27260700 |
| eCl@ss 7.0    | 27440101 |
| eCl@ss 9.0    | 27440101 |

ETIM

|          |          |
|----------|----------|
| ETIM 6.0 | EC002636 |
| ETIM 7.0 | EC002636 |

UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121409 |
| UNSPSC 18.0 | 39121409 |
| UNSPSC 19.0 | 39121409 |
| UNSPSC 20.0 | 39121409 |
| UNSPSC 21.0 | 39121409 |

## Approvals

Approvals

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

## Approvals

Approvals

cULus Recognized / EAC

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 |   |                  |

|     |  |         |
|-----|--|---------|
| EAC |  | B.01687 |
|-----|--|---------|

## 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)

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

### Accessories

Network cable - VS-OE-OE-937/... - 1402687



Network cable, PROFINET CAT5 (100 Mbps), 4-position, PE-X halogen-free, black RAL 9005, shielded, free cable end, on free cable end, cable length: Free entry (0.5 ... 400 m), For railway applications

Network cable - VS-OE-OE-93R/... - 1417388



Network cable, PROFINET CAT5 (100 Mbps), 4-position, PUR halogen-free, green RAL 6018, shielded, free cable end, on free cable end, cable length: Free input (0.5 ... 100 m), for robots

Network cable - VS-93A/... - 1416486



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

Network cable - VS-OE-OE-93C/... - 1417491



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

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

### Accessories

#### 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, Freenet design for use with IP67 panel mounting frame and terminal outlets

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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, Keystone design for use 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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### Terminal marking

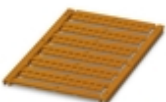
#### Marker for terminal blocks - TMT 5 R - 0816430



Marker for terminal blocks, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, 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, Number of individual labels: 19000

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#### Marker for terminal blocks - UCT-TMF 5 OG - 0829190

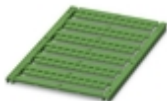


Marker for terminal blocks, Sheet, orange, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

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

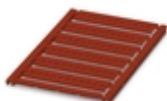
### Accessories

#### Marker for terminal blocks - UCT-TMF 5 GN - 0829193



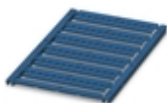
Marker for terminal blocks, Sheet, green, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

#### Marker for terminal blocks - UCT-TMF 5 RD - 0829189



Marker for terminal blocks, Sheet, red, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

#### Marker for terminal blocks - UCT-TMF 5 BU - 0829192



Marker for terminal blocks, Sheet, blue, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

#### Marker for terminal blocks - UCT-TMF 5 YE - 0828745



Marker for terminal blocks, Sheet, yellow, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

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



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