


## RJ45 connector - CUC-V06-C1PBK-S/R4CEA:1 - 1414410

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### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 STK   |
| GTIN         | <br>4 055626 028323 |
| GTIN         | 4055626028323   |

### Technical data

#### Mechanical characteristics

|                              |  |
|------------------------------|--|
| Number of positions          | 8  |
| Connection profile           | RJ45   |
| Insertion/withdrawal cycles  | ≥ 1000   |
| Connection method            | Crimp connection                                       |
| Type of contact              | Crimp contacts   |
| Conductor cross section      | 0.1 mm <sup>2</sup> ... 0.2 mm <sup>2</sup> (flexible) |
| Connection cross section AWG | 24 ... 27 (flexible)                                   |
| External cable diameter      | 5 mm ... 8.5 mm  |
| Cable outlet                 | straight   |
| Color                        | black  |
| Degree of protection         | IP67   |
| Type                         | RJ45, IP67, version 6                                  |
| No. of cable outlets         | 1  |

#### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -25 °C ... 60 °C |
|---------------------------------|------------------|

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## Technical data

### Material data

|  |                 |
|--|-----------------|
| Flammability rating according to UL 94 | V0              |
| Housing material                       | PA              |
| Contact carrier material               | PC              |
| Contact material                       | Phosphor bronze |
| Contact surface material               | Gold            |
| O-ring material                        | FPM             |
| Cable seal material                    | NBR             |

### Electrical characteristics

|   |                   |
|---|-------------------|
| Number of positions                     | 8                 |
| Nominal voltage $U_N$                   | 72 V (DC)         |
| Nominal current $I_N$                   | 1.75 A            |
| Transmission characteristics (category) | CAT6 <sub>A</sub> |
| GRP transmission properties             | CAT6 <sub>A</sub> |
| Transmission speed                      | 10 Gbps (500 MHz) |
| Frequency range                         | to 500 MHz        |
| Rated current                           | 1 A               |
| Overvoltage category                    | I                 |
| Degree of pollution                     | 2                 |
| Rated voltage (III/3)                   | 72 V (DC)         |

### Standards and Regulations

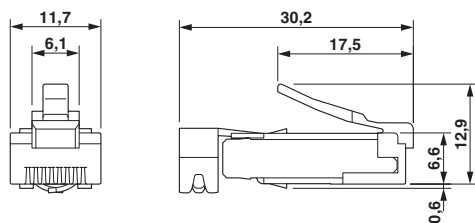
|  |    |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

### Environmental Product Compliance

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

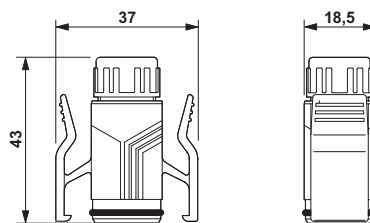
## Drawings

Dimensional drawing



Male insert

Dimensional drawing



RJ45 sleeve housing IP67

## Approvals

### Approvals

## RJ45 connector - CUC-V06-C1PBK-S/R4CEA:1 - 1414410

### Approvals

Approvals


EAC

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Ex Approvals

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### Approval details

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

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