**PHŒNIX CONTACT**

# RJ45 connector - CUC-V14-C1S-S/R4IP8 - 1407908

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RJ45 connector, degree of protection: IP65/IP67, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Stainless steel 1.4404, connection method: IDC fast connection, connection cross section: AWG 23- 22, cable outlet: straight

## Your advantages

☑ Push-pull ADVANCE connector

☑ Locking system to prevent inadvertent removal

☑ Protected data transmission, thanks to 360° shielding concept

☑ High resistance to ESD and EMC for reliable transmission

RoHS    IDC    PROFINET    Ethernet

## Key Commercial Data

| Packing unit | 1 |
|---|---|
| GTIN | 4 046356 782104 |
| GTIN | 4046356782104 |
| Custom tariff number | 85366990 |

## Technical data

### Mechanical characteristics

| Connection method | IDC fast connection |
|---|---|
| Minimum external conductor diameter | 5.5 mm |
| Maximum external conductor diameter | 10 mm |
| Overvoltage category | I |
| AWG solid min. | 23 |
| AWG solid max. | 22 |
| AWG multi-stranded min. | 23 |
| AWG multi-stranded max. | 22 |

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## Technical data

### Mechanical characteristics

| Tightening torque max | 2.5 Nm |
|---|---|
| Insertion/withdrawal cycles | ≥ 750 |
| Number of positions | 8 |
| Degree of protection | IP20 |
| Degree of pollution | 2 |
| Cable outlet | straight |
| No. of cable outlets | 1 |
| Locking type | Push Pull |
| Conductor cross section | 0.23 mm² ... 0.32 mm² (solid) |
| | 0.23 mm² ... 0.36 mm² (flexible) |
| Weight | 107 g |
| Flammability rating according to UL 94 | V0 |

### Ambient conditions

| Ambient temperature (operation) | -40 °C ... 80 °C |
|---|---|
| Ambient temperature (assembly) | -10 °C ... 40 °C |
| Ambient temperature (storage/transport) | -40 °C ... 80 °C |

### Material data

| Contact surface material | Gold over nickel |
|---|---|
| Contact material | Copper alloy |
| Contact carrier material | PC |
| Housing material | Stainless steel 1.4404 |
| Width | 22 mm |
| Height | 34 mm |
| Length | 80 mm |

### Electrical characteristics

| Number of positions | 8 |
|---|---|
| Nominal voltage $U_N$ | 48 V |
| 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 |
| Rated voltage (III/3) | 72 V (DC) |
| Insulation resistance | > 500 MΩ |

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## Technical data

### Standards and Regulations

| Standards/specifications | IEC 61076 |
|---|---|
| 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
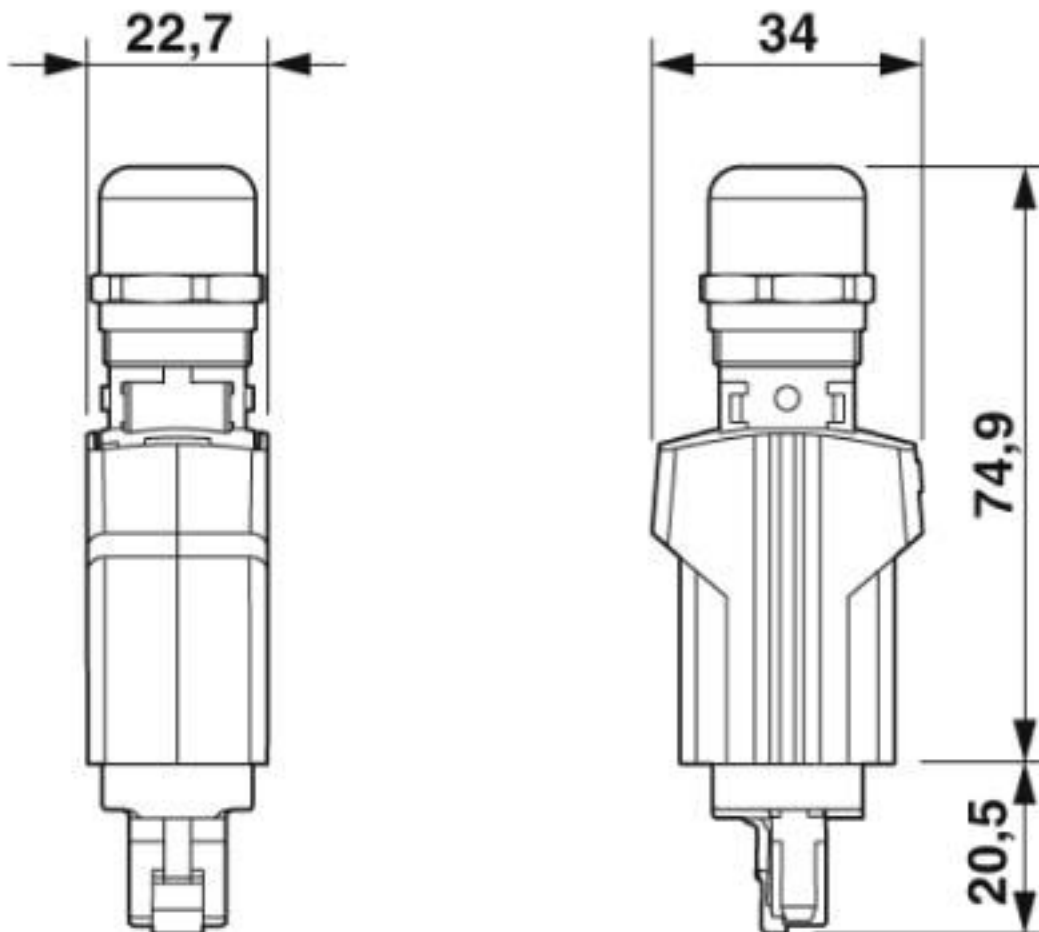
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## Classifications

### eCl@ss

| eCl@ss 10.0.1 | 27440101 |
|---|---|
| eCl@ss 4.0 | 27140816 |
| eCl@ss 4.1 | 27140816 |
| eCl@ss 5.0 | 27189239 |
| eCl@ss 5.1 | 27189239 |
| eCl@ss 6.0 | 27144001 |
| eCl@ss 7.0 | 27144001 |
| eCl@ss 8.0 | 27440101 |
| eCl@ss 9.0 | 27440101 |

### ETIM

| ETIM 3.0 | EC000007 |
|---|---|
| ETIM 4.0 | EC000489 |
| ETIM 5.0 | EC000489 |
| ETIM 6.0 | EC002636 |
| ETIM 7.0 | EC002636 |

### UNSPSC

| UNSPSC 6.01 | 31261501 |
|---|---|
| UNSPSC 7.0901 | 31261501 |
| UNSPSC 11 | 31261501 |
| UNSPSC 12.01 | 31261501 |
| UNSPSC 13.2 | 31261501 |
| UNSPSC 18.0 | 39121409 |
| UNSPSC 19.0 | 39121409 |
| UNSPSC 20.0 | 39121409 |
| UNSPSC 21.0 | 39121409 |

## Approvals

### Approvals

Approvals

EAC

Ex Approvals

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## Approvals

Approval details

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

## Accessories

Accessories

Panel mounting frame

Panel mounting frames - CUC-V14-F1ZNI-EM/R4F8 - 1413961

RJ45 panel mounting frame, IP67, for push-pull interlocking, metal, for rectangular mounting cutout, with seal and mounting screws, incl. RJ45 insert with IDC cable connection

Panel mounting frames - CUC-V14-F1ZNI-EM/R4B8 - 1413962

RJ45 panel mounting frame, IP67, for push-pull interlocking, metal, for rectangular mounting cutout, with seal and mounting screws, incl. RJ45 coupling module

Panel mounting frames - CUC-V14-F1ZNI-EM/R4O - 1413963

RJ45 panel mounting frame, IP67, for push-pull interlocking, metal, for PCB connection, for square panel cutout, with grommet and mounting screws

Protective cover

Protective covers - VS-PPC-F1-PC-POBK - 1405316

Protective cover, IP65, with push-pull locking for covering the contact insert in the push-pull connector for RJ45 and SC-RJ, plastic

# RJ45 connector - CUC-V14-C1S-S/R4IP8 - 1407908

## Accessories

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

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