# CUC-IND-J1ST-A/R4LS - RJ45 PCB connectors

1091946

https://www.phoenixcontact.com/us/products/1091946

**PHŒNIX CONTACT**

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RJ45 PCB connectors, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, material: Metal, connection method: THR solder connection

## Your advantages

- Design perfectly matched to the RJ45 INDUSTRIAL connector for reliable connectivity
- Ideal for demanding applications due to the high shock and vibration resistance as well as the extended temperature range
- Automated handling process thanks to reflow capability
- Tray packing

## Commercial Data

| | |
|---|---|
| Item number | 1091946 |
| Packing unit | 1 pc |
| Minimum order quantity | 84 pc |
| Sales Key | AB11 |
| Product Key | ABNABB |
| GTIN | 4055626906355 |
| Weight per Piece (including packing) | 5.575 g |
| Weight per Piece (excluding packing) | 5.57 g |
| Customs tariff number | 85366930 |
| Country of origin | CN |

## Technical Data

### Product properties

| Type | RJ45 |
|---|---|
| Product type | Female insert |
| Number of positions | 8 |
| Connection profile | RJ45 |
| Number of slots | 1 |
| Type | Socket |
| Locking type | Locking clips |
| Shielded | yes |

#### Insulation characteristics

| Overvoltage category | II |
|---|---|
| Degree of pollution | 2 |

### Electrical properties

| Rated voltage (III/2) | 72 V DC |
|---|---|
| Rated surge voltage | 1.5 kV DC |
| Rated surge voltage (III/3) | 1.5 kV |
| Rated surge voltage | 1 kV DC |
| Rated current | 1.5 A |
| Frequency range | 10 Hz ... 500 Hz |
| Insulation resistance | > 500 MΩ |
| Test voltage | 1 kV DC |
| Transmission medium | Copper |

### Connection data

#### Connection technology

| Connection method | THR solder connection |
|---|---|

### Dimensions

| Width | 16.2 mm |
|---|---|
| Height | 16.5 mm |
| Length | 17.1 mm |

### Material specifications

| Flammability rating according to UL 94 | V0 |
|---|---|
| Housing surface material | Nickel |
| Contact material | Copper alloy |
| Contact surface material | Gold |
| Housing material | Metal |

#### Cable/line

| Shielded | yes |
|---|---|
| Test voltage Core/Core | 1 kV DC |
| Test voltage Core/Shield | 1.5 kV DC |
| Halogen-free | yes |
| Test voltage Core/Core | 1 kV DC |
| Test voltage Core/Shield | 1.5 kV DC |
| Halogen-free | yes |

## Mechanical properties

Mechanical data

| Insertion/withdrawal cycles | > 750 |
|---|---|
| Insertion force per signal contact | < 20.00 N |
| Extraction force per signal contact | < 20 N |

## Environmental and real-life conditions

Ambient conditions

| Degree of protection | IP20 |
|---|---|
| Ambient temperature (operation) | -40 °C ... 105 °C |
| Ambient temperature (storage/transport) | -40 °C ... 105 °C |

## Mounting

| Mounting type | THR soldering |
|---|---|

Processing notes

| Moisture Sensitive Level | MSL2 |
|---|---|
| Classification temperature $T_c$ | 260 °C |
| Solder cycles in the reflow | 3 |

## Approvals

| | cUL Recognized |
|---|---|
| | Approval ID: FILE E 335024 |

| | UL Recognized |
|---|---|
| | Approval ID: FILE E 335024 |

| | EAC |
|---|---|
| | Approval ID: B.01687 |

| cULus Recognized |
|---|

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-9.0 | 27440205 |
| ECLASS-10.0.1 | 27440205 |
| ECLASS-11.0 | 27440223 |
| ECLASS-12.0 | 27440223 |
| ECLASS-13.0 | 27440223 |

### ETIM

| | |
|---|---|
| ETIM 8.0 | EC003557 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121400 |

## Environmental Product Compliance

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

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## Accessories

### CUC-IND-C1ZNI-S/R4IE10G8 - RJ45 connector

1149846

https://www.phoenixcontact.com/us/products/1149846

RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, $CAT6_A$, material: Metal, connection method: Insulation displacement connection, cable outlet: straight, color: yellow, Ethernet

### CUC-IND-C1ZNI-S/R4IP10G8 - RJ45 connector

1149847

https://www.phoenixcontact.com/us/products/1149847

RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, $CAT6_A$, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: straight, color: yellow, Ethernet

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

1421126

https://www.phoenixcontact.com/us/products/1421126

RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: straight, color: green, Ethernet/PROFINET

## CUC-IND-C1ZNI-S/R4IE8 - RJ45 connector

1421607

https://www.phoenixcontact.com/us/products/1421607

RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Metal, connection method: Insulation displacement connection, cable outlet: straight, color: green, Ethernet

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## CUC-IND-C1ZNI-S/R4QV6 - RJ45 connector

1406335

https://www.phoenixcontact.com/us/products/1406335

RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 6, 100 Mbps, CAT5 (IEC 11801:2002), material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: straight, High degree of resistance to vibration; 360° shielding; one-piece design; special tool-free assembly, VARAN

## CUC-IND-C1ZNI-T/R4IE8 - RJ45 connector

1421877

https://www.phoenixcontact.com/us/products/1421877

RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Metal, connection method: Insulation displacement connection, cable outlet: angled, Ethernet

# CUC-IND-J1ST-A/R4LS - RJ45 PCB connectors

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## CUC-IND-C1ZNI-B/R4IE8 - RJ45 connector

1421876

https://www.phoenixcontact.com/us/products/1421876

RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Metal, connection method: Insulation displacement connection, cable outlet: angled, Ethernet

## CUC-IND-C1ZNI-B/R4QV6 - RJ45 connector

1406338

https://www.phoenixcontact.com/us/products/1406338

RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 6, 100 Mbps, CAT5 (IEC 11801:2002), material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: angled, High degree of resistance to vibration; 360° shielding; one-piece design; special tool-free assembly, VARAN

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## CUC-IND-C1ZNI-T/R4QV6 - RJ45 connector

1406341

https://www.phoenixcontact.com/us/products/1406341

RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 6, 100 Mbps, CAT5 (IEC 11801:2002), material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: angled, High degree of resistance to vibration; 360° shielding; one-piece design; special tool-free assembly, VARAN

## CUC-IND-C1ZNI-B/R4IP8 - RJ45 connector

1421127

https://www.phoenixcontact.com/us/products/1421127

RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: angled, Ethernet/PROFINET

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## CUC-IND-C1ZNI-T/R4IP8 - RJ45 connector

1421128

https://www.phoenixcontact.com/us/products/1421128

RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: angled, Ethernet/PROFINET

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