

# CUC-IND-J1ST-S/R4LS-LED-S - RJ45 PCB connectors



1321102

<https://www.phoenixcontact.com/us/products/1321102>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

## Your advantages

- Ideal for demanding applications due to the high shock and vibration resistance as well as the extended temperature range
- 360° shielding ensures reliable transmission, even in industrial applications
- Housing shield springs enable an optimized EMC shielding concept
- With integrated hybrid LEDs as optical status indicators of data transmission
- Enables data transmission rates of up to 10 Gbps
- Automated handling process thanks to reflow capability
- The extended temperature range from -40°C to +105°C enables use in demanding industrial applications
- Tape-on-reel packaging

## Commercial data

Item number	1321102
Packing unit	84 pc
Minimum order quantity	84 pc
Sales key	AB12
Product key	ABNADA
GTIN	4063151607821
Weight per piece (including packing)	9.33 g
Weight per piece (excluding packing)	9.33 g
Customs tariff number	85366930
Country of origin	CN

# CUC-IND-J1ST-S/R4LS-LED-S - RJ45 PCB connectors



1321102

<https://www.phoenixcontact.com/us/products/1321102>

## Technical data

### Product properties

Product type	Data connector (device side)
Type	RJ45
Number of positions	8
Connection profile	RJ45
Type of packaging	Tape and Reel
[W] tape width	44.00 mm
[A] coil diameter	330.00 mm
[W2] coil overall dimension	50.40 mm
Number of slots	1
Type	Socket
Shielded	yes
LED	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
Test voltage Core/Core	1 kV DC
Test voltage Core/Shield	1.50 kV DC
Transmission medium	Copper
Transmission speed	10 Gbps
Power transmission	PoE++

### Connection data

#### Connection technology

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

### Dimensions

Width	16.1 mm
Height	14.7 mm
Length	17.5 mm

# CUC-IND-J1ST-S/R4LS-LED-S - RJ45 PCB connectors



1321102

<https://www.phoenixcontact.com/us/products/1321102>

Installed height	14.30 mm
Orientation to	180.00 °
Data pin length	2.00 mm

## Material specifications

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

## Cable/line

Test voltage Core/Core	1 kV DC
Test voltage Core/Shield	1.50 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
---------------	---------------

# CUC-IND-J1ST-S/R4LS-LED-S - RJ45 PCB connectors



1321102

<https://www.phoenixcontact.com/us/products/1321102>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1321102>



**cUL Recognized**  
Approval ID: FILE E 335024



**UL Recognized**  
Approval ID: FILE E 335024

**cULus Recognized**

# CUC-IND-J1ST-S/R4LS-LED-S - RJ45 PCB connectors



1321102

<https://www.phoenixcontact.com/us/products/1321102>

## Classifications

### ECLASS

ECLASS-11.0	27440223
ECLASS-12.0	27440223
ECLASS-13.0	27460201

### ETIM

ETIM 9.0	EC003557
----------	----------

### UNSPSC

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

# CUC-IND-J1ST-S/R4LS-LED-S - RJ45 PCB connectors



1321102

<https://www.phoenixcontact.com/us/products/1321102>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	ad492d05-680c-4778-b36c-1a5ec8c4f493

# CUC-IND-J1ST-S/R4LS-LED-S - RJ45 PCB connectors



1321102

<https://www.phoenixcontact.com/us/products/1321102>

## 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<sub>A</sub>, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, 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<sub>A</sub>, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: straight, color: yellow, Ethernet

# CUC-IND-J1ST-S/R4LS-LED-S - RJ45 PCB connectors



1321102

<https://www.phoenixcontact.com/us/products/1321102>

## 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, 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, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: straight, color: green, Ethernet



# CUC-IND-J1ST-S/R4LS-LED-S - RJ45 PCB connectors

1321102

<https://www.phoenixcontact.com/us/products/1321102>

## 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, 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, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: angled, Ethernet

# CUC-IND-J1ST-S/R4LS-LED-S - RJ45 PCB connectors



1321102

<https://www.phoenixcontact.com/us/products/1321102>

## 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, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, 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

# CUC-IND-J1ST-S/R4LS-LED-S - RJ45 PCB connectors



1321102

<https://www.phoenixcontact.com/us/products/1321102>

## 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, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: angled, Ethernet/PROFINET

# CUC-IND-J1ST-S/R4LS-LED-S - RJ45 PCB connectors



1321102

<https://www.phoenixcontact.com/us/products/1321102>

## 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, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, cable outlet: angled, Ethernet/PROFINET

---

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)