

## RJ45 connector - CUC-IND-C1ZNI-S/R4IP10G8 - 1149847

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




RJ45 connector, IP20, CAT6<sub>A</sub>, 8-pos., with IDC fast connection technology, for AWG 23 - 22 1-wire, 7-wire, and 19-wire conductors

### Your advantages

- ✓ Easy and time-saving assembly with IDC fast connection technology
- ✓ Innovative one-piece design prevents mounting errors and the loss of small parts
- ✓ Future-proof due to CAT6<sub>A</sub> with 10 Gbps
- ✓ 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
- ✓ Ideal companion for servicing or repairs in the field: no special tools required for mounting
- ✓ Easy and time-saving assembly with IDC fast connection technology
- ✓ Innovative one-piece design prevents mounting errors and the loss of small parts
- ✓ 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
- ✓ Ideal companion for servicing or repairs in the field: no special tools required for mounting



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 063151 144562
GTIN	4063151144562

### 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

# RJ45 connector - CUC-IND-C1ZNI-S/R4IP10G8 - 1149847

## Technical data

### Mechanical characteristics

AWG solid max.	22
AWG multi-stranded min.	23
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
Weight	13.7 g
Flammability rating according to UL 94	V0
Head 1 pin pattern	RJ45

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °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
Transmission speed	10 Gbps
Transmission characteristics (category)	CAT6 <sub>A</sub> (IEC 60512-27-100:2008, TIA-568-C.2:2009)
GRP transmission properties	CAT6 <sub>A</sub> (IEC 60512-27-100:2008, TIA-568-C.2:2009) CAT6 <sub>A</sub> (IEC 60512-27-100:2008, TIA-568-C.2:2009)
Transmission speed	10 Gbps
Rated current	1.75 A
Overvoltage category	I
Degree of pollution	2
Contact resistance	0.001 Ω (Wire IDC) 0.005 Ω (Litz wire)
Insulation resistance	> 500 MΩ

### Standards and Regulations

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

## RJ45 connector - CUC-IND-C1ZNI-S/R4IP10G8 - 1149847

### Classifications

#### eCl@ss

eCl@ss 10.0.1	27440101
eCl@ss 9.0	27440101

#### ETIM

ETIM 5.0	EC002636
----------	----------

### Approvals

#### Approvals


#### Approvals

EAC / cULus Recognized

#### Ex Approvals

#### Approval details

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

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		

### Accessories

#### Accessories

#### Data plug

RJ45 connector - CUC-IND-C1ZNI-S/R4IE10G8 - 1149846



RJ45 connector, IP20, CAT6<sub>A</sub>, 8-pos., with IDC fast connection technology, for AWG 26 - 24 1-wire, 7-wire, and 19-wire conductors

#### Electronics pliers

## RJ45 connector - CUC-IND-C1ZNI-S/R4IP10G8 - 1149847

### Accessories

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 PCB connectors - CUC-IND-J1ST-A/R4LS-LED-PG - 1099281



RJ45 PCB connectors, type: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, connection method: Solder connection

---

RJ45 PCB connectors - CUC-IND-J1ST-S/R4LS-LED-PG - 1099282



RJ45 PCB connectors, type: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, connection method: Solder connection

---

RJ45 PCB connectors - CUC-IND-J1ST-A/R4LS-PG - 1099280



RJ45 PCB connectors, type: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, connection method: Solder connection

---

RJ45 PCB connectors - CUC-IND-J1ST-S/R4LS-PG - 1099279



RJ45 PCB connectors, type: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, connection method: Solder connection

## RJ45 connector - CUC-IND-C1ZNI-S/R4IP10G8 - 1149847

### Accessories

#### RJ45 PCB connectors - CUC-IND-J1ST-A/R4LS-LED - 1091950



RJ45 PCB connectors, type: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, connection method: Solder connection

---

#### RJ45 PCB connectors - CUC-IND-J1ST-S/R4LS-LED - 1091947



RJ45 PCB connectors, type: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, connection method: Solder connection

---

#### RJ45 PCB connectors - CUC-IND-J1ST-A/R4LS - 1091946



RJ45 PCB connectors, type: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, connection method: Solder connection

---

#### RJ45 PCB connectors - CUC-IND-J1ST-S/R4LS - 1091942



RJ45 PCB connectors, type: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, connection method: Solder connection

---

### Terminal marking

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

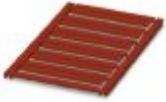


Marker for terminal blocks, Sheet, green, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: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

## RJ45 connector - CUC-IND-C1ZNI-S/R4IP10G8 - 1149847

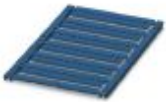
### Accessories

#### 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

#### 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

#### 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

## RJ45 connector - CUC-IND-C1ZNI-S/R4IP10G8 - 1149847

### Accessories

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



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

---

Phoenix Contact 2020 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Phoenix Contact:

1149847