

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



1149847

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

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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

## Your advantages

- Easy and time-saving assembly with IDC fast connection technology
- Can be used internationally due to EAC, UL 1863, and CAN/CSA C22.2
- Ideal companion for servicing or repairs in the field: no special tools required for mounting
- 360° shielding ensures reliable transmission, even in industrial applications
- Ideal companion for servicing or repairs in the field: no special tools required for mounting

## Commercial data

Item number	1149847
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB10
Product key	ABNAAB
GTIN	4063151144562
Weight per piece (including packing)	17.9 g
Weight per piece (excluding packing)	15.8 g
Customs tariff number	85366990
Country of origin	PL

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## Technical data

### Product properties

Type	RJ45
Product type	Data connector (cable side)
Sensor type	Ethernet
Number of positions	8
Connection profile	RJ45
No. of cable outlets	1
Type	RJ45
Shielded	yes
Cable outlet	straight
Positions/contacts	8P8C

### Insulation characteristics

Overvoltage category	I
Degree of pollution	2

### Electrical properties

Rated voltage (III/3)	72 V (DC)
Rated current	1.75 A
Contact resistance	< 20 mΩ (Contact) < 100 mΩ (shield)
Frequency range	500 Hz
Insulation resistance	> 500 MΩ
Dielectric strength	1000 V (Conductor-Conductor) 1500 V (Wire/shield)
Contact resistance per contact pair	< 20 Ω
Contact resistance	> 10 mΩ (Wire – IDC) 0.005 Ω (Litz wire)
Transmission characteristics (category)	CAT6 <sub>A</sub>
Transmission speed	10 Gbps
Power transmission	PoE++
Wave impedance	100 Ω

### Connection data

#### Connection technology

Connection method	Insulation displacement connection
Connection cross section AWG	23 ... 22 (solid) 23 ... 22 (flexible)
Conductor cross section	0.25 mm² ... 0.34 mm² (solid) 0.25 mm² ... 0.34 mm² (flexible)
Connection in acc. with standard	IEC 60603-7-51

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Cable outlet, angle	180
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## Dimensions

Width	13.65 mm
Height	14.4 mm
Orientation to	180.00 °
Length	53 mm

## Material specifications

Color	yellow
Color of the housing part	silver
Material	Plastic
Flammability rating according to UL 94	V0
Housing surface material	Ni
Cable seal material	NBR
Contact material	CuSn
Contact surface material	Au/Ni
Contact carrier material	PC
Material, protective cover	PE
Locking latch material	Stainless steel
Material for screw connection	PA
Housing material	Metal

## Cable/line

External cable diameter ( )	5 mm ... 9 mm
Wire diameter including insulation	≤ 1.6 mm
Test voltage Core/Core	1000 V
Test voltage Core/Shield	1500 V
Wave impedance	100 Ω

## 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

### Test specification

Type of test	Vibration test
Specification	IEC 60068-2-6
Frequency	2-2000 Hz
Sweep speed	1 octave/min
Amplitude	1 mm
Acceleration	200 m/s <sup>2</sup>

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Test duration	20 s
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## Test specification

Type of test	Shock testing
Specification	IEC 60068-2-27
Acceleration	491 m/s <sup>2</sup>
Number of shocks per direction	5

## Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Ambient temperature (assembly)	-40 °C ... 85 °C

## Mounting

Mounting type	For field assembly
Connection method	Insulation displacement connection

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1149847>



**EAC**  
Approval ID: B.01687

	<b>cULus Recognized</b> Approval ID: E335024-20170228			
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	56.5 V	0.175 A	-	-

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## Classifications

### ECLASS

ECLASS-11.0	27440101
ECLASS-12.0	27440113
ECLASS-13.0	27440113

### ETIM

ETIM 8.0	EC002636
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

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

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## Accessories

### MICROFOX-SP-1 - Diagonal cutter

1212487

<https://www.phoenixcontact.com/us/products/1212487>



Electronic diagonal cutter, tapered head, without chamfer, with opening spring, non-reflective phosphate-treated surface, punched version

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### VS-CABLE-STRIP-VARIO - Stripping tool

1657407

<https://www.phoenixcontact.com/us/products/1657407>

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





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

1149846

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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

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

1099281

<https://www.phoenixcontact.com/us/products/1099281>



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

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

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

1099282

<https://www.phoenixcontact.com/us/products/1099282>



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

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

1099280

<https://www.phoenixcontact.com/us/products/1099280>



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

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

1099279

<https://www.phoenixcontact.com/us/products/1099279>



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

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

1091950

<https://www.phoenixcontact.com/us/products/1091950>



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

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

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

1091947

<https://www.phoenixcontact.com/us/products/1091947>



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

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

1091946

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



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

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

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

1091942

<https://www.phoenixcontact.com/us/products/1091942>



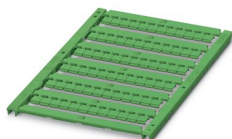
RJ45 PCB connectors, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, material: Metal, connection method: THR reflow/THT wave

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

0829193

<https://www.phoenixcontact.com/us/products/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: snapped, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

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



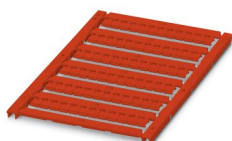
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## UCT-TMF 5 RD - Marker for terminal blocks

0829189

<https://www.phoenixcontact.com/us/products/0829189>



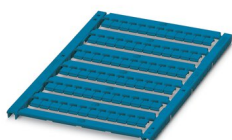
Marker for terminal blocks, Sheet, red, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number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

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## UCT-TMF 5 BU - Marker for terminal blocks

0829192

<https://www.phoenixcontact.com/us/products/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: snapped, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

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



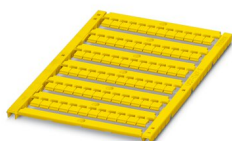
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## UCT-TMF 5 YE - Marker for terminal blocks

0828745

<https://www.phoenixcontact.com/us/products/0828745>



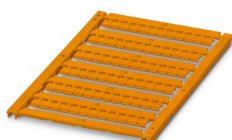
Marker for terminal blocks, Sheet, yellow, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number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

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## UCT-TMF 5 OG - Marker for terminal blocks

0829190

<https://www.phoenixcontact.com/us/products/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: snapped, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

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



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## TMT 5 R - Marker for terminal blocks

0816430

<https://www.phoenixcontact.com/us/products/0816430>



Marker for terminal blocks, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, perforated, mounting type: snapped, 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

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