

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_A, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, 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 for demanding applications due to the high shock and vibration resistance as well as the extended temperature range
- Innovative one-piece design prevents mounting errors and the loss of small parts
- Future-proof due to CAT6_A with 10 Gbps

Commercial data

Item number	1149846
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB10
Product key	ABNAAB
GTIN	4063151146320
Weight per piece (including packing)	17.9 g
Weight per piece (excluding packing)	17.9 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Product type	Data connector (cable side)
Type	RJ45
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
Contact resistance per contact pair	< 20 Ω
Contact resistance	> 10 mΩ (Wire – IDC) 0.005 Ω (Litz wires – IDC)
Transmission characteristics (category)	CAT6 _A
Transmission speed	10 Gbps
Power transmission	PoE++
Wave impedance	100 Ω

Connection data

Connection technology

Connection method	Insulation displacement connection
Connection cross section AWG	26 ... 24 (solid) 26 ... 24 (flexible)
Conductor cross section	0.14 mm ² ... 0.22 mm ² (solid) 0.14 mm ² ... 0.22 mm ² (flexible)
Connection in acc. with standard	IEC 60603-7-51
Cable outlet, angle	180

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Dimensions

Width	13.65 mm
Height	14.4 mm
Length	53 mm

Material specifications

Color	yellow
Material	Plastic
Flammability rating according to UL 94	V0
Housing material	Metal
Housing surface material	Ni
Cable seal material	NBR
Contact material	CuSn
Contact surface material	Au/Ni
Contact carrier material	PC
Locking latch material	Stainless steel
Material for screw connection	PA

Cable/line

External cable diameter	5 mm ... 9 mm
Wire diameter including insulation	≤ 1.6 mm
Cable cross section	0.14 mm ²
Test voltage Core/Core	1000 V
Test voltage Core/Shield	1500.00 V
Wave impedance	100 Ω

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 750
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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	1.00 mm
Acceleration	200.00 m/s ²
Test duration	20.00 s

Test specification

Type of test	Shock testing
Specification	IEC 60068-2-27

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Acceleration	491.00 m/s ²
Number of shocks per direction	5.00

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C

Mounting

Mounting type	For field assembly
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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1149846>

 cULus Recognized Approval ID: E335024-20170228				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section 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	27440116

ETIM

ETIM 9.0	EC002636
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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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

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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VS-OE-OE-94F/... - Data cable

1417359

<https://www.phoenixcontact.com/us/products/1417359>



Data cable, Ethernet CAT6_A (10 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded (Tinned copper braided shield), free cable end, on free cable end, cable length: Free entry (0.5 ... 400 m)

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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-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-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

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



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

1099280

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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-J1ST-S/R4LS-PG - RJ45 PCB connectors

1099279

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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

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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-J1ST-S/R4LS-LED - RJ45 PCB connectors

1091947

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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

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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-J1ST-S/R4LS - RJ45 PCB connectors

1091942

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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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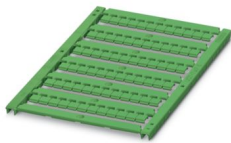
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UCT-TMF 5 GN - Marker for terminal blocks

0829193

<https://www.phoenixcontact.com/us/products/0829193>

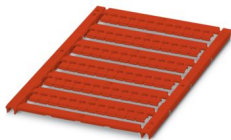


Marker for terminal blocks, Sheet, green, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number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

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

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



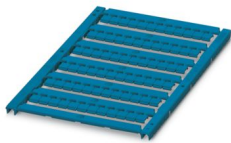
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UCT-TMF 5 BU - Marker for terminal blocks

0829192

<https://www.phoenixcontact.com/us/products/0829192>

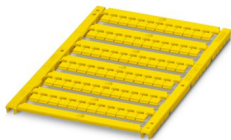


Marker for terminal blocks, Sheet, blue, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number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

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

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



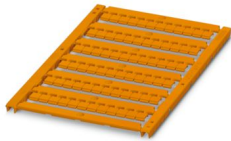
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UCT-TMF 5 OG - Marker for terminal blocks

0829190

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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

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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