

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



1421877

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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

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

Commercial data

Item number	1421877
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB10
Product key	ABNAAA
Catalog page	Page 373 (C-2-2019)
GTIN	4055626315706
Weight per piece (including packing)	31.5 g
Weight per piece (excluding packing)	31.5 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	angled
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 m Ω (Contact) < 100 m Ω (shield)
Frequency range	to 100 MHz
Insulation resistance	> 500 M Ω
Nominal voltage U_N	48 V
Nominal current I_N	1.75 A
Contact resistance per contact pair	< 20 Ω
Contact resistance	> 10 m Ω (Wire – IDC) 0.005 Ω (Litz wires – IDC)
Transmission medium	Copper
Transmission characteristics (category)	CAT5
Transmission speed	1 Gbps
Power transmission	PoE++

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	In accordance with IEC 60603-7-1

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Dimensions

Width	13.6 mm
Height	41.2 mm
Length	37.9 mm

Material specifications

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

Cable/line

External cable diameter	5 mm ... 9 mm
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

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	10-500 Hz
Sweep speed	1 octave/min
Amplitude	0.35 mm
Acceleration	50.00 m/s ²
Test duration	20.00 s

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C

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Ambient temperature (storage/transport)	-40 °C ... 70 °C
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Mounting

Mounting type	For field assembly
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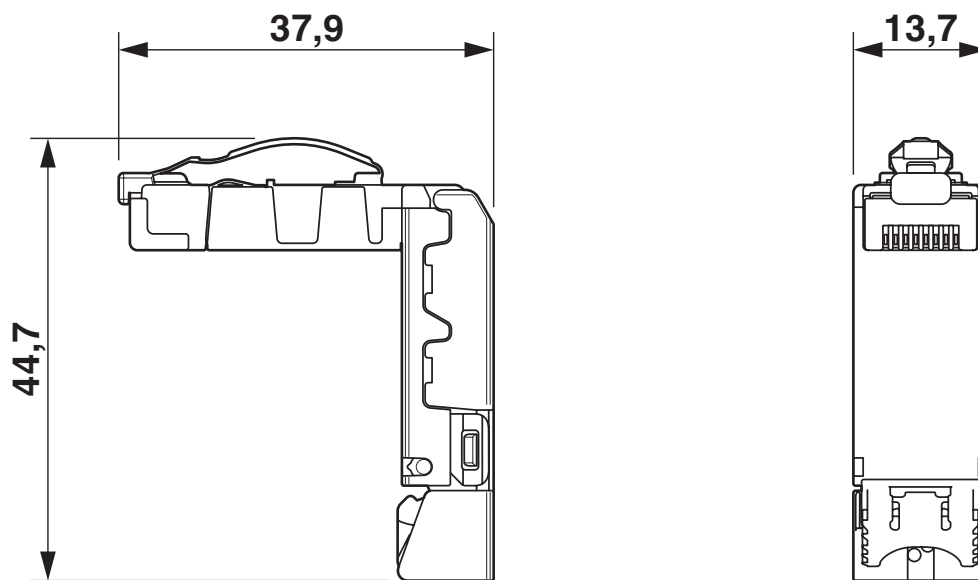
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Drawings

Dimensional drawing



RJ45 connector, IP20

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1421877>

	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	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635
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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
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

VS-CABLE-STRIP-VARIO - Stripping tool

1657407

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

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



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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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

TMT 5 R RD - Marker for terminal blocks

0816427

<https://www.phoenixcontact.com/us/products/0816427>



Marker for terminal blocks, Roll, red, 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: 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

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TMT 5 R GN - Marker for terminal blocks

0816401

<https://www.phoenixcontact.com/us/products/0816401>



Marker for terminal blocks, Roll, green, 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: 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

VS-OE-OE-94B-100,0 - Data cable

1416567

<https://www.phoenixcontact.com/us/products/1416567>



Data cable, Ethernet CAT5 (1 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded, free cable end, on free cable end, cable length: 100 m

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

1417333

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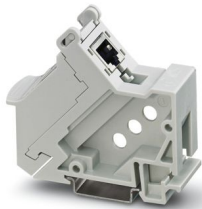


Data cable, Ethernet CAT5 (1 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded, free cable end, on free cable end, cable length: Free entry (0.5 ... 400 m)

VS-PP-F-RJ45-CAT6 - DIN rail adapter

1658118

<https://www.phoenixcontact.com/us/products/1658118>



DIN rail adapter, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT6, material: PC-GF, connection method: IDC fast connection, connection cross section: AWG 24- 22, color: gray

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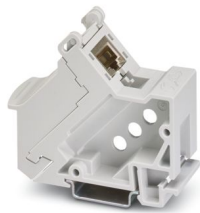
<https://www.phoenixcontact.com/us/products/1421877>



CUC-PP-D1PGY/R4GC8 - DIN rail adapter

1418094

<https://www.phoenixcontact.com/us/products/1418094>

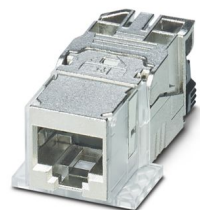


DIN rail adapter, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT6, material: PC-GF, connection method: Coupling, color: gray

CUC-F-J1ZNI-S/R4IDC8 - RJ45 jack insert

1418984

<https://www.phoenixcontact.com/us/products/1418984>



RJ45 jack insert, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6_A, material: Metal, connection method: IDC connection, connection cross section: AWG 26- 22, cable outlet: straight, Freenet design for use with IP67 panel mounting frame and terminal outlets, Ethernet

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CUC-K-J1ZNI-S/R4IDC8 - RJ45 jack insert

1419021

<https://www.phoenixcontact.com/us/products/1419021>



RJ45 jack insert, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6_A, material: Metal, connection method: IDC connection, connection cross section: AWG 26- 22, cable outlet: straight, Keystone design for use with IP20 panel mounting frame or integrated directly into the housing panel, Ethernet

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