

# CUC-IND-C1ZNI-B/R4QV6 - RJ45 connector

1406338

<https://www.phoenixcontact.com/us/products/1406338>



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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

## 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	1406338
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB10
Product key	ABNAAA
GTIN	4046356760744
Weight per piece (including packing)	30.7 g
Weight per piece (excluding packing)	22.22 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	VARAN
Number of positions	6
Connection profile	RJ45
No. of cable outlets	1
Type	RJ45
Cable outlet	angled
Positions/contacts	8P6C

### Data management status

Article revision	06
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### 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	to 100 MHz
Insulation resistance	> 500 MΩ
Nominal voltage $U_N$	48 V
Nominal current $I_N$	1.75 A
Contact resistance per contact pair	< 20 Ω
Contact resistance	> 10 mΩ (Wire – IDC) 0.005 Ω (Litz wires – IDC)
Transmission medium	Copper
Transmission characteristics (category)	CAT5
Transmission speed	100 Mbps

### Connection data

#### Connection technology

Connection method	Insulation displacement connection
Connection cross section AWG	4x 26 ... 24 (Data (solid and stranded)) 2x 26 ... 24 (Power (solid and stranded))
Conductor cross section	4x 0.25 mm² ... 0.34 mm² (Data (solid and stranded)) 2x 0.23 mm² ... 0.32 mm² (Power (solid and stranded))

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## Dimensions

Width	13.65 mm
Height	40 mm
Length	37.95 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
Material for screw connection	PA

## 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	0.25 mm <sup>2</sup>
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 <sup>2</sup>
Test duration	20.00 s

## Ambient conditions

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

## Mounting

Mounting type	For field assembly
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## Approvals

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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	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
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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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