

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



1406338

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

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 documentation. Our general terms of use for downloads are valid.



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
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

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



1406338

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

Technical data

Product properties

Type	RJ45
Product type	Data connector (cable side)
Sensor type	VARAN
Number of positions	6
Connection profile	RJ45
No. of cable outlets	1
Type	RJ45
Cable outlet	angled
Positions/contacts	8P6C

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 mm ² ... 0.34 mm ² (Data (solid and stranded)) 2x 0.23 mm ² ... 0.32 mm ² (Power (solid and stranded))

Dimensions

Width	13.65 mm
-------	----------

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



1406338

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

Height	40 mm
Length	37.95 mm

Material specifications

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
Locking latch material	Stainless steel
Material for screw connection	PA
Housing material	Metal

Cable/line

External cable diameter ()	5 mm ... 9 mm
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

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 m/s ²
Test duration	20 s

Ambient conditions

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

Mounting

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



1406338

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

Mounting type	For field assembly
Connection method	Insulation displacement connection

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

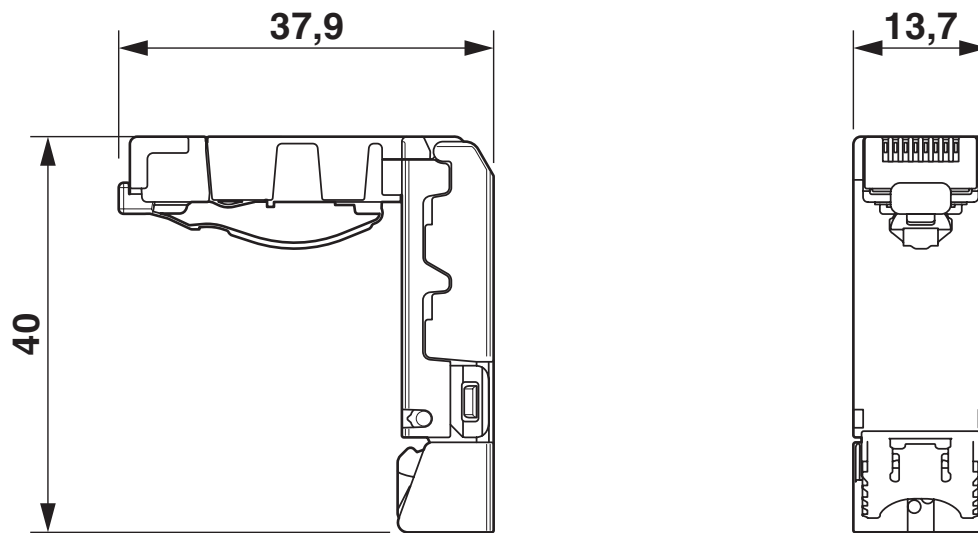
1406338

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



Drawings

Dimensional drawing



RJ45 connector, IP20

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




1406338


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

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1406338>



EAC
Approval ID: B.01687

	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	-	-

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



1406338

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

Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002636
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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



1406338

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

Environmental product compliance

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

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

1406338

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



Accessories

VS-CABLE-STRIP-VARIO - Stripping tool

1657407

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

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



MICROFOX-SP-1 - Diagonal cutter

1212487

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

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



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



1406338

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

TMT 5 R - Marker for terminal blocks

0816430

<https://www.phoenixcontact.com/pc/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/pc/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

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



1406338

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

TMT 5 R GN - Marker for terminal blocks

0816401

<https://www.phoenixcontact.com/pc/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

Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstraße 8

D-32825 Blomberg

+49 (0) 5235-3 00

info@phoenixcontact.com