

# CUC-V14-C1ZNI-S/R4P8 - RJ45 connector



1422664

<https://www.phoenixcontact.com/us/products/1422664>

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RJ45 connector, degree of protection: IP65/IP67, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: IDC fast connection, connection cross section: AWG 23- 22, cable outlet: straight, Ethernet

## Your advantages

- Push-pull ADVANCE connector
- Locking system to prevent inadvertent release
- Protected data transmission thanks to 360° shielding concept
- Highest ESD and EMC resistance for reliable transmission

## Commercial data

Item number	1422664
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB17
Product key	ABNOAA
Catalog page	Page 357 (C-2-2019)
GTIN	4055626311333
Weight per piece (including packing)	101.5 g
Weight per piece (excluding packing)	101 g
Customs tariff number	85366990
Country of origin	PL

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## Technical data

### Notes

General	This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 3.01, Order No. 2252
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### 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	Version 14
Shielded	yes
Cable outlet	straight

### Insulation characteristics

Overvoltage category	I
Degree of pollution	2

### Electrical properties

Rated voltage (III/3)	72 V (DC)
Rated current	1.75 A
Frequency range	to 100 MHz
Insulation resistance	> 500 MΩ
Nominal voltage $U_N$	48 V
Transmission medium	Copper
Transmission characteristics (category)	CAT5
Transmission speed	1 Gbps
Power transmission	PoE++

### Connection data

#### Connection technology

Connection method	IDC fast connection
Connection technology	QUICKON connection
Connection cross section AWG	23 ... 22 (solid) 23 ... 22 (flexible)
Conductor cross section	0.23 mm <sup>2</sup> ... 0.32 mm <sup>2</sup> (solid) 0.23 mm <sup>2</sup> ... 0.36 mm <sup>2</sup> (flexible)

### Dimensions

Width	22.4 mm
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Height	34 mm
Length	95 mm

## Material specifications

Flammability rating according to UL 94	V0
Seal material	NBR
Seal material, O-ring	NBR
Seal material cable seal	CR
Seal material	NBR
Seal material, pin connector pattern	NBR
Housing material	Metal
Housing surface material	nickel-plated
Contact material	Cu/Sn
Contact surface material	Au/Ni
Contact carrier material	PC
Material for screw connection	CuZn

## Cable/line

External cable diameter	5.5 mm ... 10 mm
External cable diameter	5.5 mm ... 10 mm
Cable cross section	0.25 mm <sup>2</sup>

## Mechanical properties

Mechanical data	
Insertion/withdrawal cycles	≥ 750

## Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP65/IP67
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-10 °C ... 40 °C

## Standards and regulations

Standards/specifications	IEC 61076
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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 8.0	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
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol(CAS: 119-47-1)
SCIP	83d16b7f-4685-4691-8e6d-59c9c7bfa9e1

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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



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### CUC-V14-F1ZNI-EM/R4F8 - Panel mounting frames

1413961

<https://www.phoenixcontact.com/us/products/1413961>

RJ45 panel mounting frame, IP67, for push-pull interlocking, metal, for rectangular mounting cutout, with seal and mounting screws, incl. RJ45 insert with IDC cable connection



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## CUC-V14-F1ZNI-EM/R4B8 - Panel mounting frames

1413962

<https://www.phoenixcontact.com/us/products/1413962>

RJ45 panel mounting frame, IP67, for push-pull interlocking, metal, for rectangular mounting cutout, with seal and mounting screws, incl. RJ45 coupling module



## CUC-V14-F1ZNI-EM/R4O - Panel mounting frames

1413963

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RJ45 panel mounting frame, IP67, for push-pull interlocking, metal, for PCB connection, for square panel cutout, with grommet and mounting screws



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## VS-PPC-F1-PC-POBK - Protective cover

1405316

<https://www.phoenixcontact.com/us/products/1405316>

Protective cover, IP65, with push-pull locking for covering the contact insert in the push-pull connector for RJ45 and SC-RJ, plastic



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