

# CUC-I-D1ZNI-S/R4GC8 - RJ45 coupling



1041760  
<https://www.phoenixcontact.com/us/products/1041760>

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RJ45 coupling, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, material: Metal, connection method: Coupling, cable outlet: straight, Adapter-free design, Ethernet

## Your advantages

- Compact design
- Assembly without special tools
- CAT6A in accordance with ISO/IEC 11801
- Rugged design
- 360° shielding
- Adapter-less integration of module inserts
- 10 Gbps

## Commercial data

Item number	1041760
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB10
Product key	ABNACB
Catalog page	Page 375 (C-2-2019)
GTIN	4055626599915
Weight per piece (including packing)	14.34 g
Weight per piece (excluding packing)	14.3 g
Customs tariff number	85366990
Country of origin	PL

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## Technical data

### Product properties

Product type	Female insert
Type	RJ45
Sensor type	Ethernet
Number of positions	8
Connection profile	RJ45
Number of slots	2
Cable outlet	straight

### Insulation characteristics

Overvoltage category	III
Degree of pollution	2

### Electrical properties

Rated voltage (III/3)	72 V (DC)
Rated surge voltage	0.8 kV
Rated current	1 A (at 60 °C)
Max. operating voltage $U_{max}$	72 V DC
Frequency range	500 MHz
Insulation resistance	$\geq 500 \text{ M}\Omega$
Nominal current $I_N$	0.5 A
Contact resistance	200 m $\Omega$ (Trunk in to trunk out)
Transmission characteristics (category)	CAT6 <sub>A</sub>

### Connection data

#### Connection technology

Connection method	Coupling
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### Material specifications

Flammability rating according to UL 94	V0
Housing material	Metal
Housing surface material	metal-plated
Contact material	Spring steel
Contact surface material	Gold

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	$\geq 750$ (IEC 60603-7)
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### Environmental and real-life conditions

#### Ambient conditions

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Degree of protection	IP20
	IP20
Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

## Standards and regulations

Standards/specifications	IEC 60603-7
	DIN EN 50173-1
	ISO/IEC 11801-Am.1
	IEC 60068-2

## Mounting

Mounting type	Snap in
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## Approvals

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**cUL Recognized**  
Approval ID: FILE E 335024



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## Classifications

### ECLASS

ECLASS-11.0	19179090
ECLASS-12.0	19179090
ECLASS-13.0	27061801

### ETIM

ETIM 9.0	EC003249
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### UNSPSC

UNSPSC 21.0	43222600
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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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