

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



1041760

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

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 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
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

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



1041760

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

## 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 speed	10 Gbps
Transmission characteristics (category)	CAT6 <sub>A</sub>

### Connection data

#### Connection technology

Connection method	Coupling
-------------------	----------

### 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)
-----------------------------	--------------------------

### Environmental and real-life conditions

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



1041760

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

## Ambient conditions

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
---------------	---------


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



1041760

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

## Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1041760>



**cUL Recognized**

Approval ID: E335024-DUXR8



**UL Recognized**

Approval ID: E335024-DUXR2

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



1041760

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

## Classifications

### ECLASS

ECLASS-15.0	27440390
ECLASS-13.0	27440390

### ETIM

ETIM 9.0	EC004746
----------	----------

### UNSPSC

UNSPSC 21.0	43222600
-------------	----------

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



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

## 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%

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)