

# CUC-INI-C1ZNI-S/R4IE10G8 - RJ45 male insert



1157964

<https://www.phoenixcontact.com/us/products/1157964>

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RJ45 male insert, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6<sub>A</sub> (IEC 60512-27-100:2008, TIA-568-C.2:2009), material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: straight, Ethernet

## 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	1157964
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB10
Product key	ABNAAB
GTIN	4063151163914
Weight per piece (including packing)	21 g
Weight per piece (excluding packing)	18.7 g
Customs tariff number	85366990
Country of origin	PL

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## Technical data

### Product properties

Type	RJ45
Product type	Data plug
Sensor type	Ethernet
Number of positions	8
Connection profile	RJ45
No. of cable outlets	1
Type	RJ45
Series	HC-M-RJ45-AD-I
Shielded	yes
Cable outlet	straight
Positions/contacts	8P8C

### 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)
Insulation resistance	> 500 MΩ
Contact resistance per contact pair	< 20 Ω
Contact resistance	> 10 mΩ (Wire – IDC)
	0.005 Ω (Litz wires – IDC)
Transmission characteristics (category)	CAT6 <sub>A</sub>
Transmission speed	10 Gbps
Power transmission	PoE++
Wave impedance	100 Ω

### Connection data

Connection method	Insulation displacement connection
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### Dimensions

Width	13.6 mm
Height	43.4 mm
Length	10.5 mm

### Material specifications

Flammability rating according to UL 94	V0
Housing surface material	Ni

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Contact material	CuSn
Contact surface material	Au/Ni
Material for screw connection	PA
Housing material	Metal

## Cable/line

External cable diameter ( )	5 mm ... 9 mm
External cable diameter	5 mm ... 9 mm
Test voltage Core/Core	1000 V
Test voltage Core/Shield	1500 V
Wave impedance	100 $\Omega$

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	$\geq 750$
Insertion force per signal contact	$< 20.00$ N
Extraction force per signal contact	$< 20$ N

## Environmental and real-life conditions

### Ambient conditions

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

## Mounting

Mounting type	For field assembly
Connection method	Insulation displacement connection

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## Approvals

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	<b>cULus Recognized</b>			
	Approval ID: E335024-20170228			
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	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	EC002636
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

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

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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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### MICROFOX-SP-1 - Diagonal cutter

1212487

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

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



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## CUC-V14-C1ZNI-S/R4IE10G8 - RJ45 connector

1149841

<https://www.phoenixcontact.com/us/products/1149841>



RJ45 connector, degree of protection: IP65/IP67, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, connection method: IDC fast connection, connection cross section: AWG 26- 24, cable outlet: straight, Ethernet

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