

CUC-INI-C1ZNI-S/R4IP10G8 - RJ45 male insert



1157963

<https://www.phoenixcontact.com/us/products/1157963>

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 male insert, design: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6_A (IEC 60512-27-100:2008, TIA-568-C.2:2009), material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 23- 22, 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
- Future-proof due to CAT6_A with 10 Gbps
- 360° shielding ensures reliable transmission, even in industrial applications

Commercial data

Item number	1157963
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB10
Product key	ABNAAB
GTIN	4063151163815
Weight per piece (including packing)	20.8 g
Weight per piece (excluding packing)	20.8 g
Customs tariff number	85366990
Country of origin	PL

CUC-INI-C1ZNI-S/R4IP10G8 - RJ45 male insert



1157963

<https://www.phoenixcontact.com/us/products/1157963>

Technical data

Product properties

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

Data management status

Article revision	00
------------------	----

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 m Ω (Contact)
	< 100 m Ω (shield)
Insulation resistance	> 500 M Ω
Contact resistance per contact pair	< 20 Ω
Contact resistance	> 10 m Ω (Wire – IDC)
	0.005 Ω (Litz wires – IDC)
Transmission characteristics (category)	CAT6 _A
Transmission speed	10 Gbps
Power transmission	PoE++
Wave impedance	100 Ω

Connection data

Connection method	Insulation displacement connection
-------------------	------------------------------------

Dimensions

Width	13.6 mm
Height	43.4 mm
Length	10.5 mm

Material specifications

CUC-INI-C1ZNI-S/R4IP10G8 - RJ45 male insert



1157963

<https://www.phoenixcontact.com/us/products/1157963>

Flammability rating according to UL 94	V0
Housing material	Metal
Housing surface material	Ni
Contact material	CuSn
Contact surface material	Au/Ni
Material for screw connection	PA

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	1500.00 V
Wave impedance	100 Ω

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

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
Thread type	()

CUC-INI-C1ZNI-S/R4IP10G8 - RJ45 male insert



1157963

<https://www.phoenixcontact.com/us/products/1157963>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1157963>

	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-INI-C1ZNI-S/R4IP10G8 - RJ45 male insert



1157963

<https://www.phoenixcontact.com/us/products/1157963>

Classifications

ECLASS

ECLASS-11.0	27440101
ECLASS-12.0	27440113
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635
----------	----------

UNSPSC

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

CUC-INI-C1ZNI-S/R4IP10G8 - RJ45 male insert



1157963

<https://www.phoenixcontact.com/us/products/1157963>

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%

CUC-INI-C1ZNI-S/R4IP10G8 - RJ45 male insert



1157963

<https://www.phoenixcontact.com/us/products/1157963>

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



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



CUC-INI-C1ZNI-S/R4IP10G8 - RJ45 male insert

1157963

<https://www.phoenixcontact.com/us/products/1157963>



CUC-V14-C1ZNI-S/R4IP10G8 - RJ45 connector

1149843

<https://www.phoenixcontact.com/us/products/1149843>



RJ45 connector, degree of protection: IP65/IP67, number of positions: 8, 10 Gbps, CAT6_A, connection method: IDC fast connection, connection cross section: AWG 23- 22, cable outlet: straight, Ethernet

Phoenix Contact 2024 © - 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