

CUC-INI-C1ZNI-S/R4IE8 - RJ45 male insert



1421608

<https://www.phoenixcontact.com/us/products/1421608>

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, 1 Gbps, CAT5 (IEC 11801:2002), 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	1421608
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB10
Product key	ABNAAA
Catalog page	Page 513 (C-2-2019)
GTIN	4055626276595
Weight per piece (including packing)	25.5 g
Weight per piece (excluding packing)	25.5 g
Customs tariff number	85366990
Country of origin	PL

CUC-INI-C1ZNI-S/R4IE8 - RJ45 male insert



1421608

<https://www.phoenixcontact.com/us/products/1421608>

Technical data

Notes

Note on application	This item is a replacement RJ45 CAT5 connector insert for a push-pull ADVANCE connector (version 14). Connectors that are compatible with this replacement part are listed under Accessories.
---------------------	---

Product properties

Product type	Data connector (cable side)
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

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)
Frequency range	to 100 MHz
Insulation resistance	> 500 MΩ
Nominal current I_N	1.75 A
Contact resistance per contact pair	< 20 Ω
Contact resistance	> 10 mΩ (Wire – IDC) 0.005 Ω (Litz wires – IDC)
Transmission medium	Copper
Transmission characteristics (category)	CAT5 (IEC 11801:2002)
Transmission speed	1 Gbps
Power transmission	PoE++
Wave impedance	100 Ω

Connection data

Connection technology

CUC-INI-C1ZNI-S/R4IE8 - RJ45 male insert



1421608

<https://www.phoenixcontact.com/us/products/1421608>

Connection method	Insulation displacement connection
Connection cross section AWG	26 ... 24 (solid)
	26 ... 24 (flexible)
Conductor cross section	0.14 mm ² ... 0.22 mm ² (solid)
	0.14 mm ² ... 0.22 mm ² (flexible)
Connection in acc. with standard	In accordance with IEC 60603-7-1
Cable outlet, angle	180

Dimensions

Width	13.65 mm
Height	43.4 mm
Length	10.5 mm

Material specifications

Flammability rating according to UL 94	V0
Housing material	Metal
Housing surface material	Ni
Contact material	CuSn
Contact surface material	Au/Ni
Contact carrier material	PC

Cable/line

External cable diameter	5 mm ... 9 mm
External cable diameter	5 mm ... 9 mm
Wire diameter including insulation	≤ 1.6 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

Test specification

Type of test	Vibration test
Specification	IEC 60068-2-6
Frequency	10-500 Hz
Sweep speed	1 octave/min
Amplitude	0.35 mm
Acceleration	50.00 m/s ²
Test duration	20.00 s

CUC-INI-C1ZNI-S/R4IE8 - RJ45 male insert



1421608

<https://www.phoenixcontact.com/us/products/1421608>

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

CUC-INI-C1ZNI-S/R4IE8 - RJ45 male insert




1421608

<https://www.phoenixcontact.com/us/products/1421608>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1421608>

	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/R4IE8 - RJ45 male insert



1421608

<https://www.phoenixcontact.com/us/products/1421608>

Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 8.0	EC002636
----------	----------

UNSPSC

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

CUC-INI-C1ZNI-S/R4IE8 - RJ45 male insert



1421608

<https://www.phoenixcontact.com/us/products/1421608>

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/R4IE8 - RJ45 male insert

1421608

<https://www.phoenixcontact.com/us/products/1421608>



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/R4IE8 - RJ45 male insert

1421608

<https://www.phoenixcontact.com/us/products/1421608>



CUC-V14-C1S-S/R4IE8 - RJ45 connector

1407906

<https://www.phoenixcontact.com/us/products/1407906>



RJ45 connector, degree of protection: IP65/IP67, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Metal, connection method: IDC fast connection, connection cross section: AWG 26- 24, cable outlet: straight

CUC-V14-C1ZNI-S/R4E8 - RJ45 connector

1422661

<https://www.phoenixcontact.com/us/products/1422661>



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 26- 24, cable outlet: straight, Ethernet

CUC-INI-C1ZNI-S/R4IE8 - RJ45 male insert

1421608

<https://www.phoenixcontact.com/us/products/1421608>



CUC-V14-C1ZNI-B/R4E8 - RJ45 connector

1422662

<https://www.phoenixcontact.com/us/products/1422662>



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 26- 24, cable outlet: angled, Ethernet

CUC-V14-C1ZNI-T/R4E8 - RJ45 connector

1422663

<https://www.phoenixcontact.com/us/products/1422663>



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 26- 24, cable outlet: angled, Ethernet

CUC-INI-C1ZNI-S/R4IE8 - RJ45 male insert

1421608

<https://www.phoenixcontact.com/us/products/1421608>



VS-OE-OE-94B-100,0 - Data cable

1416567

<https://www.phoenixcontact.com/us/products/1416567>



Data cable, Ethernet CAT5 (1 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded, free cable end, on free cable end, cable length: 100 m

VS-OE-OE-94B/... - Data cable

1417333

<https://www.phoenixcontact.com/us/products/1417333>



Data cable, Ethernet CAT5 (1 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded, free cable end, on free cable end, cable length: Free entry (0.5 ... 400 m)

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