

# Contact insert - CUC-INI-C1ZNI-S/R4IE8



1421608

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

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Contact insert, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Zinc die-cast, connection method: IDC fast connection, connection cross section: AWG 26- 24, cable outlet: straight, Ethernet

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## Your advantages

- assembly without special tools
- One-Piece Design
- AWG 26-24
- 360° shielding
- High shock and vibration resistance

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## Commercial Data

Item number	1421608
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	ABNEAA
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

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## 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.
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### Product properties

Type	RJ45, IP20
Product type	Data plug
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

### Insulation characteristics

Overvoltage category	I
Degree of pollution	2

### Electrical properties

Rated voltage (III/3)	72 V (DC)
Rated current	1.75 A
Frequency range	to 100 MHz
Insulation resistance	> 500 M $\Omega$
Contact resistance	0.001 $\Omega$ (Wire – IDC) 0.005 $\Omega$ (Litz wires – IDC)

### Dimensions

Width	13.65 mm
Height	43.4 mm
Length	10.5 mm

### Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Gold over nickel
Contact carrier material	PC
Housing material	Zinc die-cast

### Connector

Insertion/withdrawal cycles	$\geq 750$
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Contact type	Pin
Number of positions	8
Connection profile	RJ45
Insertion/withdrawal cycles	≥ 750
Connection method	IDC fast connection
Contact material	Copper alloy
Contact surface material	Gold over nickel
Housing material	Zinc die-cast
Degree of protection	IP20
Contact type	Pin
Number of positions	8
Connection profile	RJ45
Insertion/withdrawal cycles	≥ 750
Connection method	IDC fast connection
Contact material	Copper alloy
Contact surface material	Gold over nickel

## Cable / line

### Cable structure

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

### Electrical properties

Wave impedance	100 Ω
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## Environmental and real-life conditions

### Ambient conditions

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


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## Approvals

 EAC

 cULus Recognized

	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-9.0	27440101
ECLASS-10.0.1	27440101
ECLASS-11.0	27440101
ECLASS-12.0	27440113

### ETIM

ETIM 8.0	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

### Network cable

Network cable - VS-OE-OE-94B-100,0 - 1416567

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



Network cable, Ethernet CAT5 (1 Gbps), 8-position halogen-free, shielded, free cable end, on free cable end, cable length: 100 m

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### Network cable

Network cable - VS-OE-OE-94B/... - 1417333

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



Network cable, Ethernet CAT5 (1 Gbps), 8-position halogen-free, shielded, free cable end, on free cable end, cable length: Free entry (0.5 ... 400 m)



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## RJ45 connector

RJ45 connector - CUC-V14-C1S-S/R4IE8 - 1407906

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



RJ45 connector, degree of protection: IP65/IP67, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Stainless steel 1.4404, connection method: IDC fast connection, connection cross section: AWG 26- 24, cable outlet: straight

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## RJ45 connector

RJ45 connector - CUC-V14-C1ZNI-S/R4E8 - 1422661

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



Push-pull connector (version 14), die-cast zinc, with RJ45 connector insert, 8-pos., with IDC fast connection technology, for 1 and 7-wire cores, 26 ... 24 AWG, for cable diameter of 5.5 mm ... 10 mm

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## RJ45 connector

RJ45 connector - CUC-V14-C1ZNI-B/R4E8 - 1422662

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



Push-pull connector (version 14), die-cast zinc, with RJ45 connector insert, 8-pos., with IDC fast connection technology, for 1 and 7-wire cores, 26 ... 24 AWG, for cable diameter of 5.5 mm ... 10 mm

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## RJ45 connector

RJ45 connector - CUC-V14-C1ZNI-T/R4E8 - 1422663

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



Push-pull connector (version 14), die-cast zinc, with RJ45 connector insert, 8-pos., with IDC fast connection technology, for 1 and 7-wire cores, 26 ... 24 AWG, for cable diameter of 5.5 mm ... 10 mm

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## Diagonal cutter

Diagonal cutter - MICROFOX-SP-1 - 1212487

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



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

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## Stripping tool

Stripping tool - VS-CABLE-STRIP-VARIO - 1657407

<https://www.phoenixcontact.com/pc/products/1657407>

Stripping tool, for the multi-level stripping of shielded cables



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