

CUC-IND-C1ZNI-S/R4IE8 - RJ45 connector



1421607

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RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: Insulation displacement connection, connection cross section: AWG 26- 24, cable outlet: straight, color: green, 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	1421607
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB10
Product key	ABNAAA
Catalog page	Page 373 (C-2-2019)
GTIN	4055626276915
Weight per piece (including packing)	18 g
Weight per piece (excluding packing)	15.6 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Type	RJ45
Product type	Data connector (cable side)
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 voltage U_N	48 V
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
Transmission speed	1 Gbps
Power transmission	PoE++
Wave impedance	100 Ω

Connection data

Connection technology

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)

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Connection in acc. with standard	In accordance with IEC 60603-7-1
Cable outlet, angle	180

Dimensions

Width	13.65 mm
Height	14.4 mm
Length	53 mm

Material specifications

Color	green
Material	Plastic
Flammability rating according to UL 94	V0
Housing surface material	Ni
Cable seal material	NBR
Contact material	CuSn
Contact surface material	Au/Ni
Contact carrier material	PC
Locking latch material	Stainless steel
Housing material	Metal

Cable/line

External cable diameter ()	5 mm ... 9 mm
External cable diameter	5 mm ... 9 mm
Wire diameter including insulation	≤ 1.6 mm
Cable cross section	0.14 mm ²
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

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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
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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002635
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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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