

CUC-IND-C1ZNI-S/R4QV6 - RJ45 connector



1406335

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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	1406335
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB10
Product key	ABNAAA
GTIN	4046356760713
Weight per piece (including packing)	27.7 g
Weight per piece (excluding packing)	13.592 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Product type	Data connector (cable side)
Type	RJ45
Sensor type	VARAN
Number of positions	6
Connection profile	RJ45
No. of cable outlets	1
Shielded	no
Cable outlet	straight
Positions/contacts	8P6C

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)
Transmission medium	Copper
Transmission speed	100 Mbps
Transmission characteristics (category)	CAT5
Transmission speed	100 Mbps

Connection data

Connection technology

Connection method	Insulation displacement connection
Connection cross section AWG	4x 26 ... 24 (Data (solid and stranded)) 2x 26 ... 24 (Power (solid and stranded))
Conductor cross section	4x 0.25 mm ² ... 0.34 mm ² (Data (solid and stranded)) 2x 0.32 mm ² (Power (solid and stranded))
Cable outlet, angle	180

Dimensions

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Width	13.65 mm
Height	14.4 mm
Length	53 mm

Material specifications

Material	Plastic
Flammability rating according to UL 94	V0
Housing material	Metal
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
Material for screw connection	PA

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	0.25 mm ²
Test voltage Core/Core	1000 V
Test voltage Core/Shield	1500.00 V

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	2-2000 Hz
Sweep speed	1 octave/min
Amplitude	1.00 mm
Acceleration	200.00 m/s ²
Test duration	20.00 s

Test specification

Type of test	Shock testing
Specification	IEC 60068-2-27
Acceleration	491.00 m/s ²

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Number of shocks per direction	5.00
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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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Approvals

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<div> cULus Recognized Approval ID: E335024-20170228</div>				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	56.5 V	1.75 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27440114
ECLASS-15.0	27440114

ETIM

ETIM 9.0	EC002636
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UNSPSC

UNSPSC 21.0	39121400
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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%

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