

CUC-SI-CCM/RJ45-C6A - Data interface

1484215

<https://www.phoenixcontact.com/us/products/1484215>



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Data interface, design: RJ45, number of positions: 8, 10 Gbps, CAT6_A (IEC 60603-7-51),
material: PA, connection method: IDC connection, Ethernet



Commercial data

Item number	1484215
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB18
Product key	ABNKAA
GTIN	4063151921392
Weight per piece (including packing)	35.77 g
Weight per piece (excluding packing)	32.865 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Product properties

Product type	Data front plate
Sensor type	Ethernet
Number of positions	8
Connection profile	RJ45
Shielded	yes

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Rated surge voltage (Contact - contact)	≥ 1000 V DC
Rated surge voltage (Contact - shield)	≥ 1500 V DC
Rated current	1 A (At T = 50°C)
Contact resistance	≤ 200 mΩ (Input side to output side)
Insulation resistance	≥ 500 MΩ
Nominal voltage U _N	50 V AC
	72 V DC
Nominal current I _N	1.5 A
Contact resistance per contact pair	≤ 20 mΩ
Transmission medium	Copper
Transmission speed	10 Gbps
Transmission characteristics (category)	CAT6 _A (IEC 60603-7-51)
Power transmission	PoE++ (IEEE 802.3bt)

Connection data

Connection method	IDC connection
Tightening torque	... 1 Nm

Dimensions

Width	29.5 mm
Height	45.1 mm
Length	50.8 mm

Material specifications

Flammability rating according to UL 94 (Housing)	V0
Flammability rating according to UL 94 (Protective cover)	HB
Housing material	PA
Contact material	Copper alloy
Contact surface material	gold-plated
Contact carrier material	Die-cast zinc

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Material, protective cover	TPE-V
Material for screw connection	PA

Cable/line

External cable diameter	≤ 9 mm
Wire diameter (rigid)	0.41 mm ... 0.64 mm (AWG26 ... AWG22/1)
Wire diameter (flexible)	0.46 mm ... 0.76 mm (AWG27/7 ... AWG22/7)
Wire diameter including insulation	0.9 mm ... 1.6 mm

Mechanical properties

Mechanical data	
Insertion/withdrawal cycles	≥ 750

Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP65/IP67 (with closed protective cover)
Ambient temperature (operation)	-40 °C ... 70 °C

Mounting

Mounting type	Front mounting
Assembly note	Panel thicknesses: 1 mm ... 5 mm

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Classifications

ECLASS

ECLASS-15.0	27440209
ECLASS-13.0	27440209

ETIM

ETIM 9.0	EC002641
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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
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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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