

# CUC-SI-CM/RJ45-C6A - Data interface



1484212

<https://www.phoenixcontact.com/us/products/1484212>

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Data interface, design: RJ45, number of positions: 8, 10 Gbps, CAT6<sub>A</sub> (IEC 60603-7-51), material: PA, connection method: Coupling, Ethernet



## Commercial data

Item number	1484212
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB18
Product key	ABNKAA
GTIN	4063151923457
Weight per piece (including packing)	33.44 g
Weight per piece (excluding packing)	30.835 g
Customs tariff number	85366990
Country of origin	DE

## 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)	$\geq 1000$ V DC
Rated surge voltage (Contact - shield)	$\geq 1500$ V DC
Rated current	1 A (At T = 50°C)
Contact resistance	$\leq 200$ m $\Omega$ (Input side to output side)
Insulation resistance	$\geq 500$ M $\Omega$
Nominal voltage $U_N$	50 V AC
	72 V DC
Nominal current $I_N$	1.5 A
Contact resistance per contact pair	$\leq 20$ m $\Omega$
Transmission medium	Copper
Transmission speed	10 Gbps
Transmission characteristics (category)	CAT6 <sub>A</sub> (IEC 60603-7-51)
Power transmission	PoE+ (IEEE 802.3at)

### Connection data

Connection method	Coupling
Tightening torque	... 1 Nm

### Dimensions

Width	29.5 mm
Height	45.1 mm
Length	40 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, nickel-plated

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

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 750
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## 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
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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