

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 |

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 m Ω (Input side to output side) |
| Insulation resistance | ≥ 500 M Ω |
| Nominal voltage U_N | 50 V AC |
| | 72 V DC |
| Nominal current I_N | 1.5 A |
| Contact resistance per contact pair | ≤ 20 m Ω |
| 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 |
|-------------|----------|

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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