

CA-06S1N129006 - Coupler connector



1620145

<https://www.phoenixcontact.com/us/products/1620145>

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M23, Coupler connector, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Socket, Solder connection, cable diameter range: 4 mm ... 6 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1244035

Your advantages

- Safe use in the field, thanks to high degree of protection
- Connector for flexible on-site assembly
- Consistent EMC protection for reliable transmission of signals
- Solder connection: proven connection technology for various litz wires

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1620145 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB31 |
| Product key | ABRAEG |
| Catalog page | Page 88 (C-2-2019) |
| GTIN | 4046356818995 |
| Weight per piece (including packing) | 99.31 g |
| Weight per piece (excluding packing) | 99.31 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|--------------|---------------------------------|
| Product type | Circular connector (cable-side) |
|--------------|---------------------------------|

Connector

Connection 1

| | |
|-------------|--------|
| Head design | Socket |
|-------------|--------|

Insulating body

| | |
|---|---------------------|
| Coding | N |
| Insulation body material | PBT |
| Contact material | CuZn |
| Contact surface material | Ni/Au |
| Insertion/withdrawal cycles | 100 |
| Connection method | Solder connection |
| Contact switching type | Socket |
| Application | Signal |
| Number of positions | 6 |
| Direction of rotation | Standard |
| Connection profile | 6 |
| Rated voltage | 48 V AC 74 V DC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Contact diameter Signal contacts | 2 mm |
| Litz wire cross-section Signal contacts max. | 2.5 mm ² |
| Nominal current per signal contact | 20 A |

Housing

| | |
|-----------------------------------|--|
| Housing material | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Type of locking | for standard and SPEEDCON interlock |
| Pg screw connection | none |
| Degree of protection (plugged in) | IP67 |
| Thread type | M23 |

Seal

| | |
|-------------------------|---------------|
| External cable diameter | 4 mm ... 6 mm |
| Seal material | NBR |

Environmental and real-life conditions

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Ambient conditions

Ambient temperature (operation)

-40 °C ... 125 °C

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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

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|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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Environmental product compliance

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|------------|--|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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