

## Coupler connector - CA-06P1N8A90DN - 1620169

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Coupling connector, CA, straight, shielded: yes, for standard and SPEEDCON interlock, M23, No. of pos.: 6, type of contact: Pin, Crimp connection, cable diameter range: 3 mm ... 14.5 mm

The figure shows the product version with solder contacts

### 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
- ✓ Crimping connection: vibration- and temperature-resistant assembly

### Key Commercial Data

|                                      |               |
|--------------------------------------|---------------|
| Packing unit                         | 1 pc          |
| GTIN                                 |               |
| GTIN                                 | 4046356818766 |
| Weight per Piece (excluding packing) | 100.000 g     |
| Custom tariff number                 | 85366990      |
| Country of origin                    | Germany       |

### Technical data

#### Temperature range

|                                 |                   |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -40 °C ... 125 °C |
|---------------------------------|-------------------|

#### Data of the insulating body

|        |   |
|--------|---|
| Note   | Order information: Order crimp contacts 6 x Ø 2 mm separately |
| Coding | N   |

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### Technical data

#### Data of the insulating body

|   |                     |
|---|---------------------|
| Insulator material                              | PA 6.6              |
| Contact connection method                       | Crimp connection    |
| Type of contacts                                | Pin                 |
| Application                                     | Signal              |
| Number of positions                             | 6                   |
| Direction of rotation                           | Standard            |
| Contact diameter of signal contacts             | 2 mm                |
| Litz wire cross section of signal contacts min. | 1 mm <sup>2</sup>   |
| Litz wire cross section of signal contacts max. | 2.5 mm <sup>2</sup> |
| Nominal current per signal contact              | 20 A                |
| Rated voltage of signal contact                 | 300 V               |
| Rated surge voltage                             | 2.5 kV              |
| Overvoltage category                            | II                  |
| Degree of pollution                             | 3                   |

#### Housing data

|  |  |
|--|--|
| Housing material                       | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Type of locking                        | for standard and SPEEDCON interlock                                  |
| Degree of protection (when plugged in) | IP67   |
| Thread type                            | M23  |

#### Cable seal data

|                  |                  |
|------------------|------------------|
| Cable diameter   | 3 mm ... 14.5 mm |
| Sealing material | NBR              |

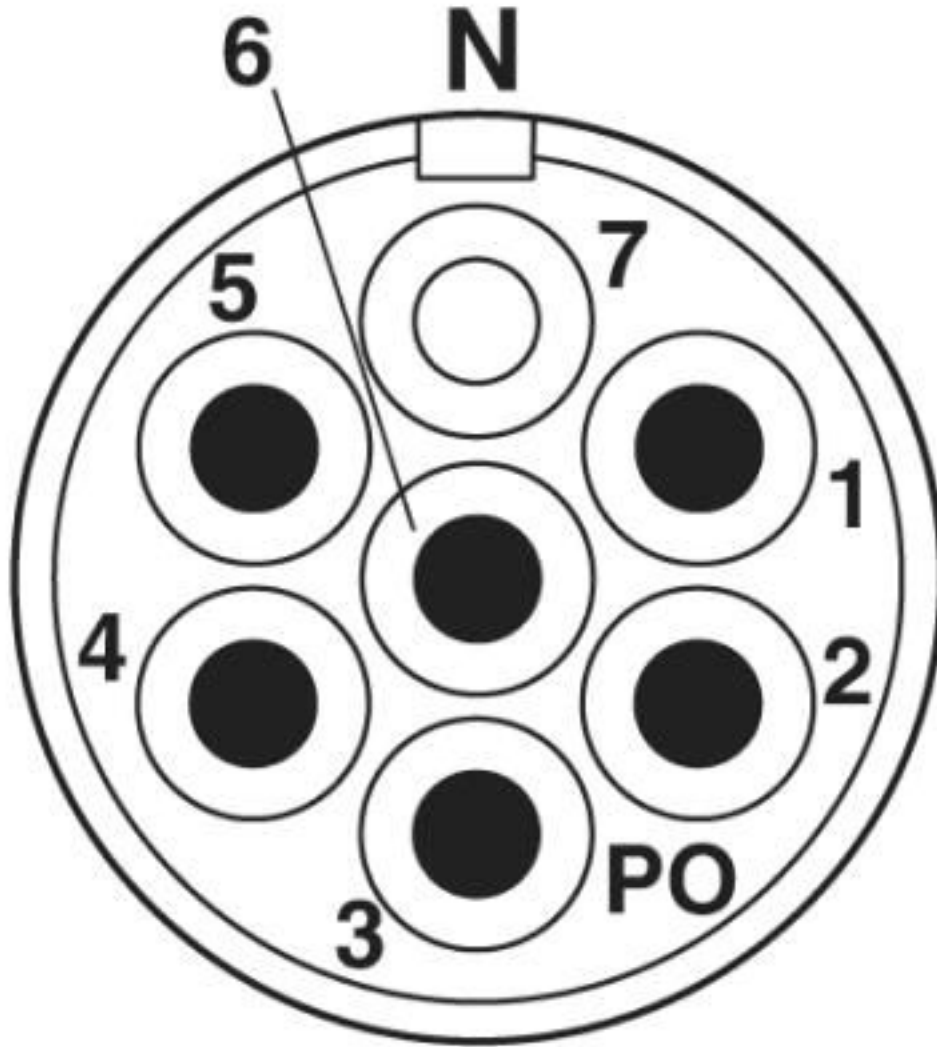
#### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50 years  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

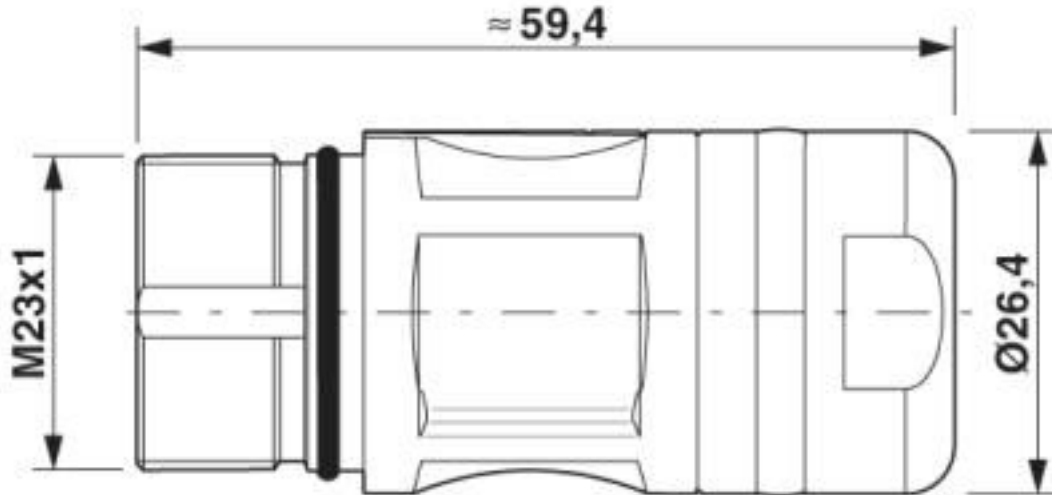
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Schematic diagram



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Dimensional drawing



### Classifications

#### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440102 |
| eCl@ss 4.0    | 27260700 |
| eCl@ss 4.1    | 27260700 |
| eCl@ss 5.0    | 27260700 |
| eCl@ss 5.1    | 27260700 |
| eCl@ss 6.0    | 27260700 |
| eCl@ss 7.0    | 27440102 |
| eCl@ss 8.0    | 27440102 |
| eCl@ss 9.0    | 27440102 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002635 |
| ETIM 5.0 | EC002635 |
| ETIM 6.0 | EC002061 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11     | 43172015 |
| UNSPSC 12.01  | 43201404 |
| UNSPSC 13.2   | 39121413 |

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## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 18.0 | 39121413 |
| UNSPSC 19.0 | 39121413 |
| UNSPSC 20.0 | 39121413 |
| UNSPSC 21.0 | 39121413 |

## Approvals


### Approvals


#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

### Approval details

|                            |   |   |                  |
|----------------------------|---|---|------------------|
| UL Recognized              |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E335019-20141210 |
| Nominal voltage UN         |   | 300 V   |                  |
| Nominal current IN         |   | 17 A  |                  |
| mm <sup>2</sup> /AWG/kcmil |   | 14  |                  |

|                            |   |   |                  |
|----------------------------|---|---|------------------|
| cUL Recognized             |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E335019-20141210 |
| Nominal voltage UN         |   | 300 V   |                  |
| Nominal current IN         |   | 10 A  |                  |
| mm <sup>2</sup> /AWG/kcmil |   | 14  |                  |

|     |   |         |
|-----|---|---------|
| EAC |  | B.01687 |
|-----|---|---------|

## Coupler connector - CA-06P1N8A90DN - 1620169

### Approvals

cULus Recognized



### Accessories

#### Accessories

##### Crimp contact

Crimp contact - RC-5AP2000 - 1603505



Crimp contact, turned, contact diameter: 2 mm, crimp range: 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

Crimp contact - RC-5CP2000 - 1603513



Crimp contact, turned, contact diameter: 2 mm, crimp range: 1 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>

Crimp contact - RC-5SP2000 - 1603529



Crimp contact, turned, contact diameter: 2 mm, crimp range: 0.5 mm<sup>2</sup> ... 0.75 mm<sup>2</sup>

### Mounting material

Color-coding - RF-Z0014 - 1620588



Color-coding, color: green

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### Accessories

Color-coding - RF-Z0015 - 1620592



Color-coding, color: orange

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Color-coding - RF-Z0016 - 1620593



Color-coding, color: black

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Special wrench - RF-Z0007 - 1614347



Special wrench

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Square mounting flange - RF-Z0003 - 1607905



Square mounting flange, Axial seal, 4xM3, flange dimensions: 35 mm x 35 mm

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### Protective cover

Protective cap - SF-Z0019 - 1607449



Plastic protection cap, with eye, IP40 for connectors with M23 external thread, RF, SF series

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### Accessories

Protective cap - RC-Z2059 - 1604225



Plastic protection cap for connectors with M23 external thread

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Plastic anti-static dust protection cap - RC-Z2469 - 1611797



Plastic protection cap, antistatic, for RF, SF, CA, RC series connectors, with M23 external thread

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Metal protective cap - RC-Z2104 - 1604260



Metal protection cap for signal connectors with M23 external thread

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Metal protective cap - RC-Z2068 - 1604236



Metal protection cap with steel wire for signal connectors with M23 external thread

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