

# Coupler connector - CA-09P1N129008 - 1620035

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Coupling connector, CA, straight, shielded: yes, for standard and SPEEDCON interlock, M23, No. of pos.: 8+1, type of contact: Pin, Solder connection, cable diameter range: 10 mm ... 14.5 mm

The figure shows the 6-pos. product version

## 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



## Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 1 pc          |
| GTIN         |               |
| GTIN         | 4046356819602 |

## Technical data

### Temperature range

|                     |                   |
|---------------------|-------------------|
| Ambient temperature | -40 °C ... 125 °C |
|---------------------|-------------------|

### Data of the insulating body

|  |                   |
|--|-------------------|
| Coding                                 | N                 |
| Insulator material                     | PBT               |
| Contact material                       | CuZn              |
| Contact surface material               | Ni/Au             |
| Insertion/withdrawal cycles mechanical | 100               |
| Contact connection method              | Solder connection |
| Type of contacts                       | Pin               |
| Application                            | Signal            |
| Number of positions                    | 9                 |

## Coupler connector - CA-09P1N129008 - 1620035

### Technical data

#### Data of the insulating body

|   |                     |
|---|---------------------|
| Direction of rotation                           | Standard            |
| Contact diameter of power contacts              | 2 mm                |
| Litz wire cross section of power contacts max.  | 2.5 mm <sup>2</sup> |
| Rated current for power contacts                | 20 A                |
| Rated voltage of power contact                  | 300 V               |
| Rated surge voltage                             | 2.5 kV              |
| Overvoltage category                            | II                  |
| Degree of pollution                             | 3                   |
| Contact diameter of signal contacts             | 1 mm                |
| Litz wire cross section of signal contacts max. | 1 mm <sup>2</sup>   |
| Nominal current per signal contact              | 8 A                 |
| Rated voltage of signal contact                 | 300 V               |
| 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   | 10 mm ... 14.5 mm |
| Sealing material | NBR               |

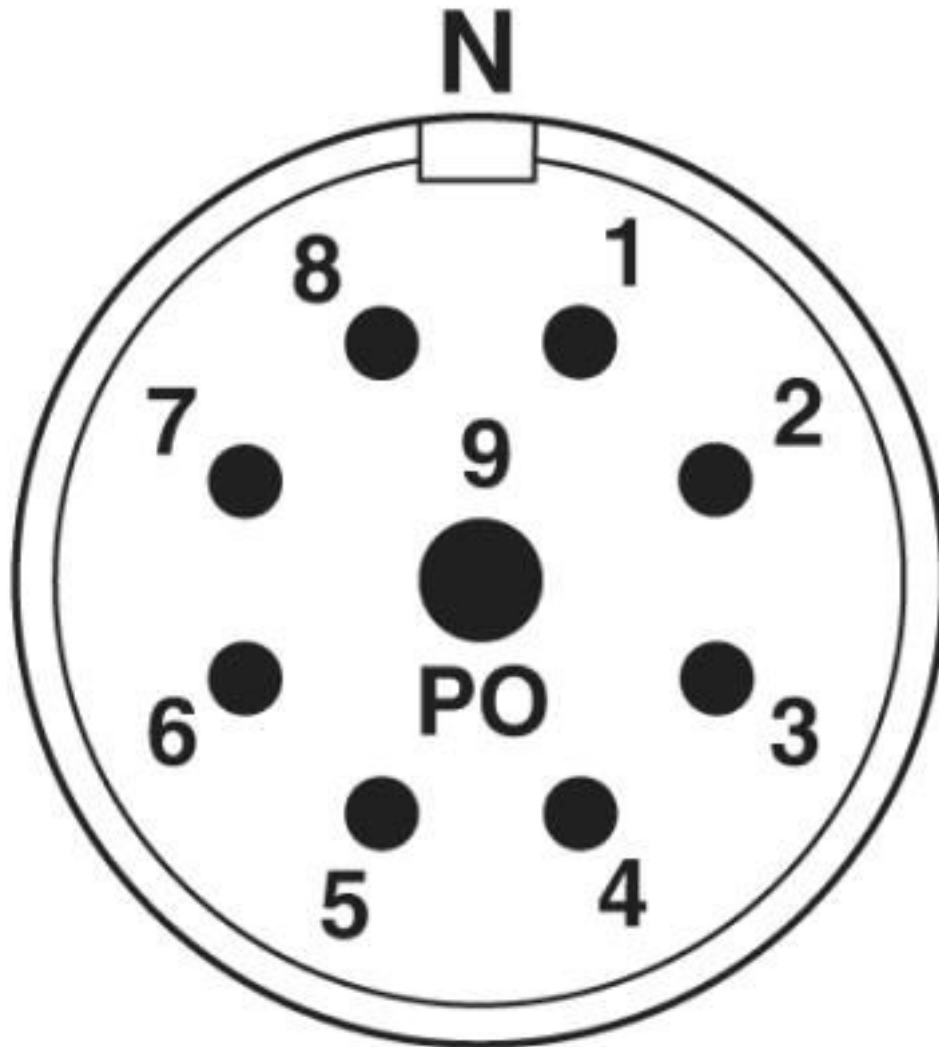
#### Environmental Product Compliance

|            |   |
|------------|---|
| 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

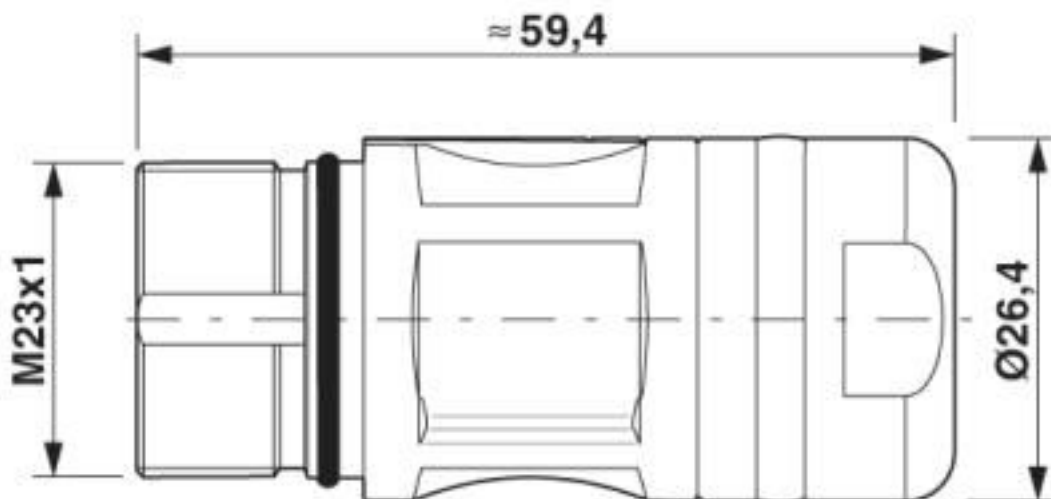
## Coupler connector - CA-09P1N129008 - 1620035

Schematic diagram



# Coupler connector - CA-09P1N129008 - 1620035

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 |
| UNSPSC 18.0   | 39121413 |
| UNSPSC 19.0   | 39121413 |
| UNSPSC 20.0   | 39121413 |

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## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| 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         | 8 A   |  |
| mm <sup>2</sup> /AWG/kcmil | 18    |  |

|                            |       |  |
|----------------------------|-------|--|
| 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         | 6 A   |  |
| mm <sup>2</sup> /AWG/kcmil | 18    |  |

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

|                  |  |
|------------------|--|
| cULus Recognized |  |
|------------------|--|

## Accessories

### Accessories

### Mounting material

## Coupler connector - CA-09P1N129008 - 1620035

### Accessories

Color-coding - RF-Z0014 - 1620588



Color-coding, color: green

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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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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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## Coupler connector - CA-09P1N129008 - 1620035

### 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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