

## Coupler connector - CA-12P1N1290DN - 1620159

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Coupling connector, CA, straight, shielded: yes, for standard and SPEEDCON interlock, M23, No. of pos.: 12, type of contact: Pin, Solder connection, cable diameter range: 3 mm ... 14.5 mm

### 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

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 046356 818865 |
| GTIN         | 4046356818865                                                                                           |

### 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                    | 12                |
| Direction of rotation                  | Standard          |

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### Technical data

#### Data of the insulating body

|                                                 |                   |
|-------------------------------------------------|-------------------|
| 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                 | 150 V             |
| Rated surge voltage                             | 1.5 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              |

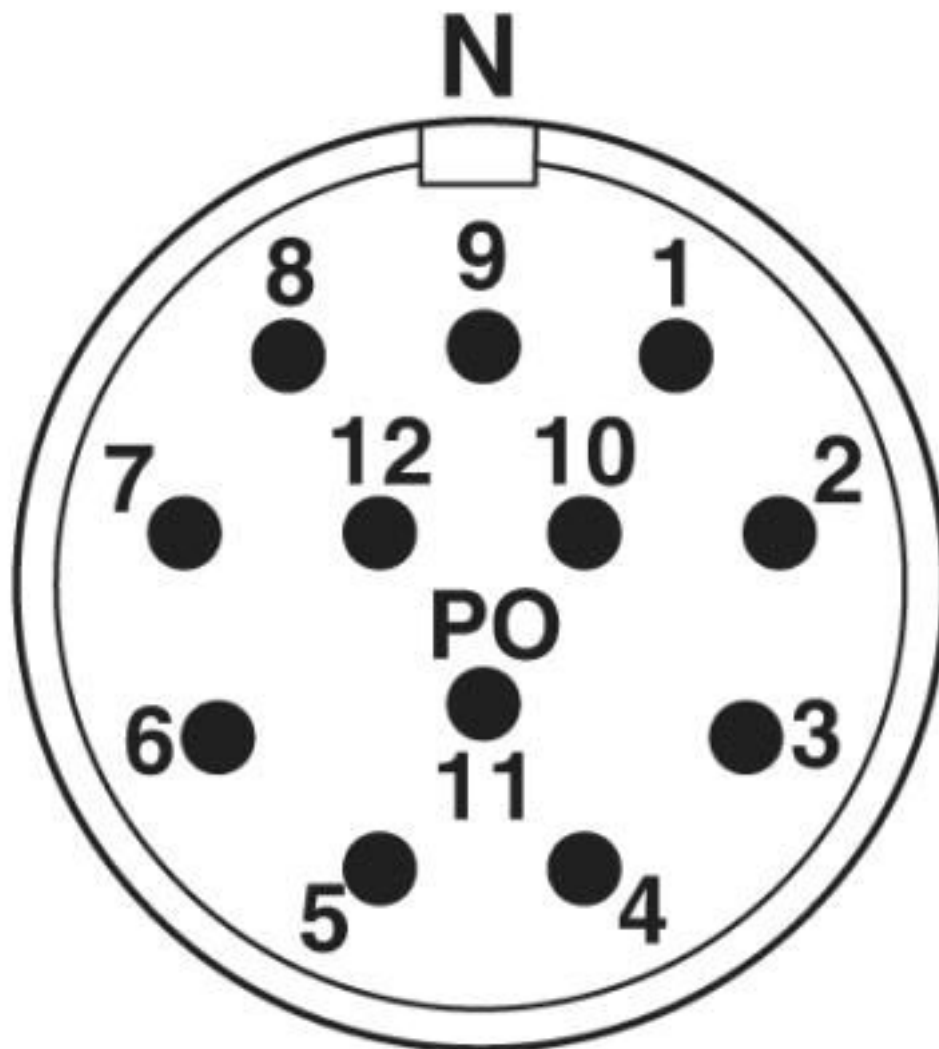
#### Environmental Product Compliance

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

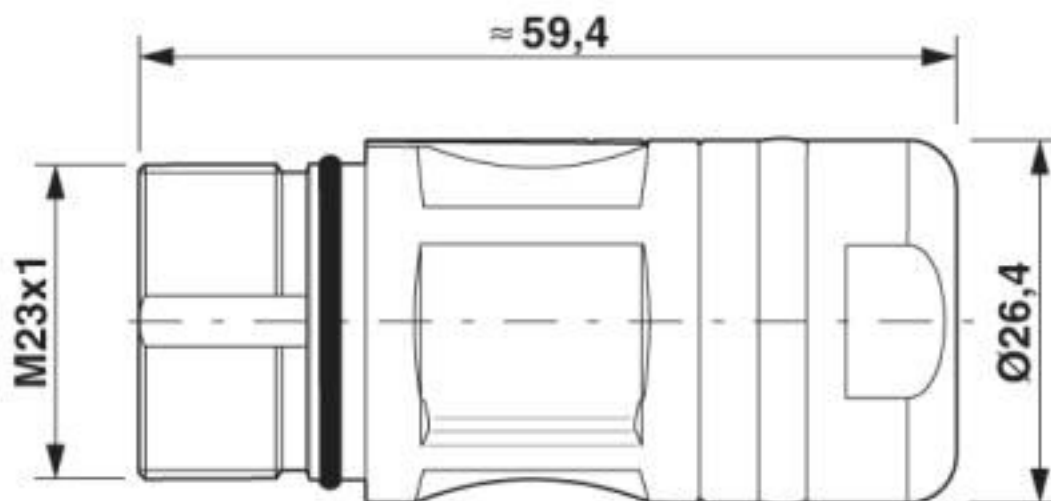
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Schematic diagram



## Coupler connector - CA-12P1N1290DN - 1620159

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 | 150 V                                                                               |                                                                                                                                                                        |
| Nominal current IN | 8 A                                                                                 |                                                                                                                                                                        |
| mm²/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 | 150 V                                                                               |                                                                                                                                                                        |
| Nominal current IN | 6 A                                                                                 |                                                                                                                                                                        |
| mm²/AWG/kcmil      | 18                                                                                  |                                                                                                                                                                        |

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

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

### Accessories

#### Accessories

#### Mounting material

## Coupler connector - CA-12P1N1290DN - 1620159

### 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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### 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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Protective cap - RC-Z2059 - 1604225



Plastic protection cap for connectors with M23 external thread

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### Accessories

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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