

## Device connector, front mounting - CA-07S1N8A6Y00 - 1619871

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Device connector for front wall, CA, straight, shielded: yes, for standard and SPEEDCON interlock, M23, No. of pos.: 7, type of contact: Socket, Crimp connection, Axial seal, Central fastening M20 x 1.5

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
- ✓ Crimping connection: vibration- and temperature-resistant assembly
- ✓ Application-specific wall mounting optionally with thread or anti-rotation protection and lock nut

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 046356 820950 |
| GTIN         | 4046356820950                                                                                           |

### Technical data

#### Temperature range

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

#### Data of the insulating body

|                           |                                                           |
|---------------------------|-----------------------------------------------------------|
| Note                      | Order information: Order crimp contacts Ø 2 mm separately |
| Coding                    | N                                                         |
| Insulator material        | PA 6.6                                                    |
| Contact connection method | Crimp connection                                          |
| Type of contacts          | Socket                                                    |
| Application               | Signal                                                    |
| Number of positions       | 7                                                         |
| Direction of rotation     | Standard                                                  |

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### Technical data

#### Data of the insulating body

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

|                                        |                                                               |
|----------------------------------------|---------------------------------------------------------------|
| Note                                   | Order information: If necessary, order locking nut separately |
| Housing material                       | GD-Zn                                                         |
| Type of locking                        | for standard and SPEEDCON interlock                           |
| Degree of protection (when plugged in) | IP67                                                          |
| Thread type                            | M23                                                           |

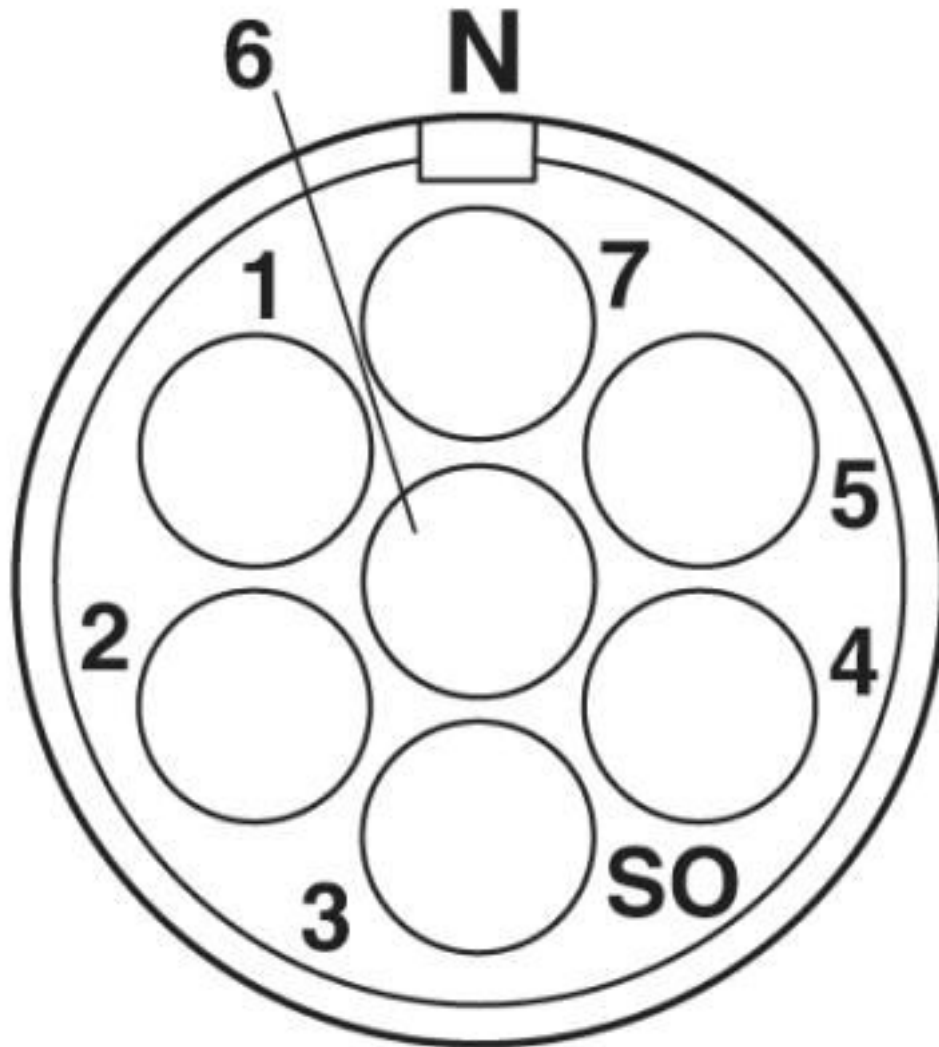
#### Environmental Product Compliance

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

### Drawings

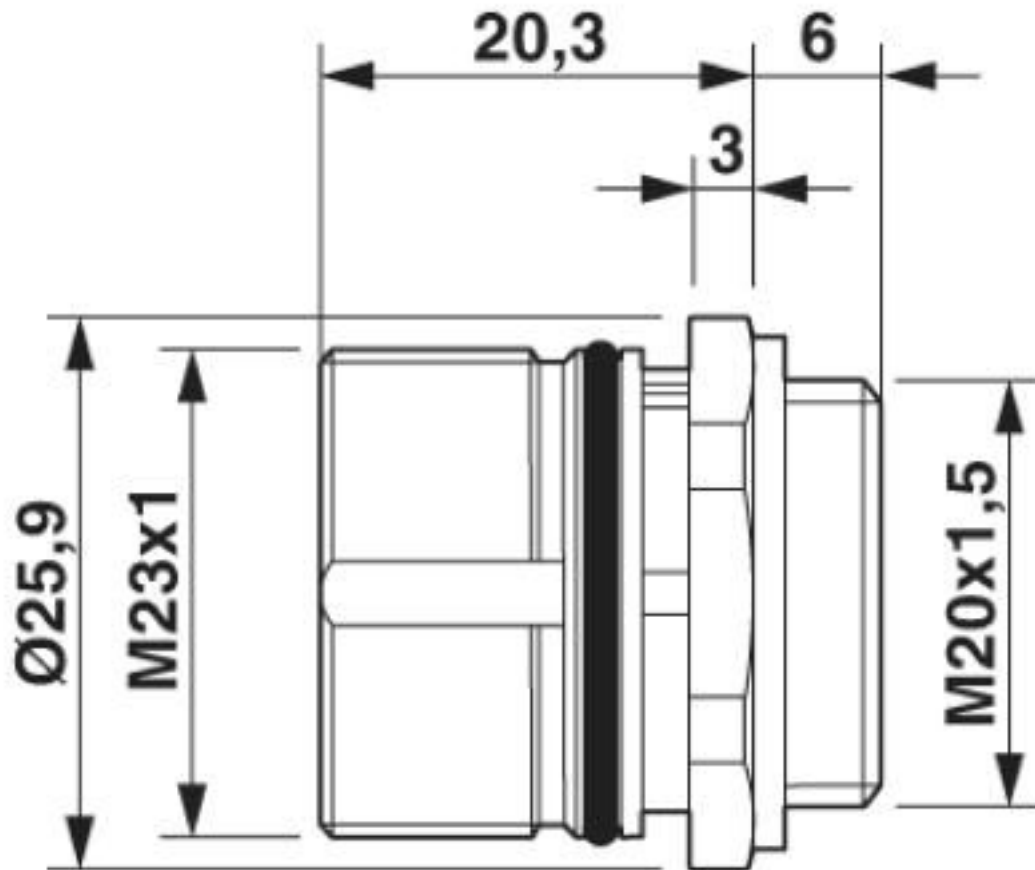
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Schematic diagram



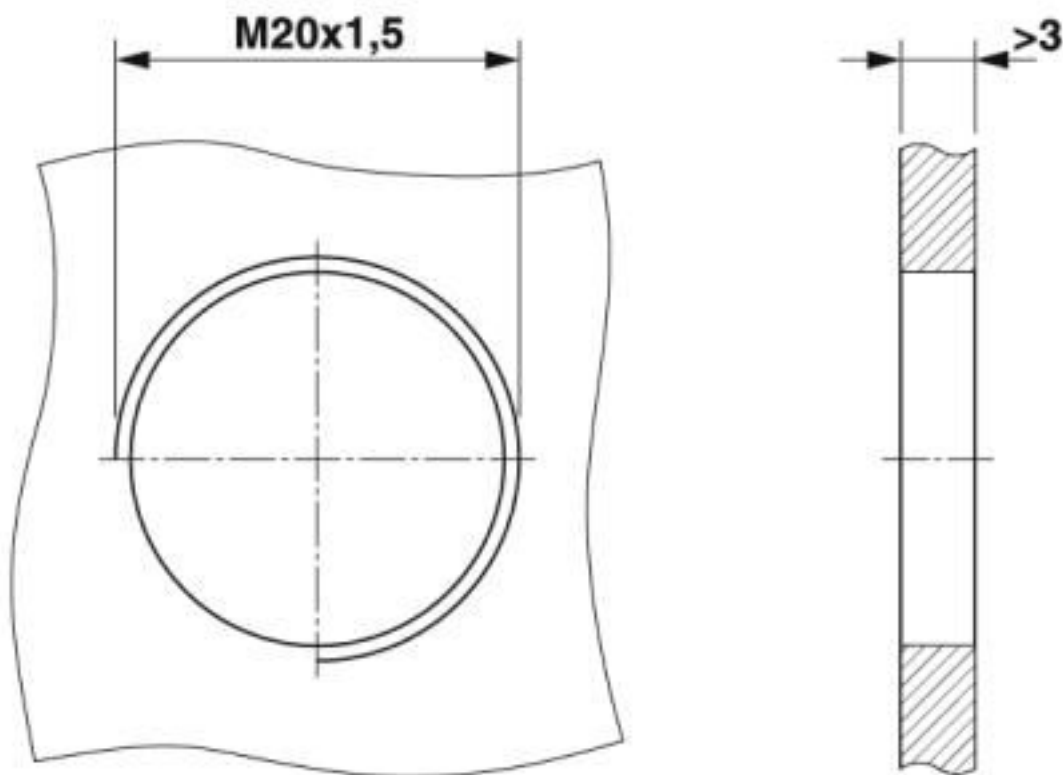
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Dimensional drawing



## Device connector, front mounting - CA-07S1N8A6Y00 - 1619871

Dimensional drawing



Installation dimensions

### Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440102 |
| eCl@ss 4.0    | 27140800 |
| eCl@ss 4.1    | 27140800 |
| eCl@ss 5.0    | 27143400 |
| eCl@ss 5.1    | 27143400 |
| eCl@ss 6.0    | 27279200 |
| eCl@ss 7.0    | 27440103 |
| eCl@ss 8.0    | 27440103 |
| eCl@ss 9.0    | 27440102 |

ETIM

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

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### Classifications

#### 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 |
| 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                                                                                |                                                                                                                                                                        |
| mm²/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                                                                                |                                                                                                                                                                        |
| mm²/AWG/kcmil      | 14                                                                                  |                                                                                                                                                                        |

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

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### Approvals

cULus Recognized



### Accessories

#### Accessories

##### Crimp contact

Crimp contact - RC-5CS2000 - 1603517



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

Crimp contact - RC-5AS2000 - 1603509



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

Crimp contact - RC-5SS2000 - 1603530



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

Crimp contact - RC-59S2000 - 1603501



Crimp contact, turned, contact diameter: 2 mm, crimp range: 0.75 mm<sup>2</sup> ... 1 mm<sup>2</sup>

### Mounting material

## Device connector, front mounting - CA-07S1N8A6Y00 - 1619871

### Accessories

Color-coding - CA-Z0110 - 1620700



Color-coding, color: green

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Color-coding - CA-Z0111 - 1620701



Color-coding, color: orange

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Color-coding - CA-Z0112 - 1620702



Color-coding, color: black

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Contact removal tool - CA-Z0001 - 1620699



Unlocking tool for contact carriers for snapping in the M23 signal device connectors

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M20 x 1.5 locking nut - RC-13041 - 1600417



M20 x 1.5 locking nut

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Protective cover

## Device connector, front mounting - CA-07S1N8A6Y00 - 1619871

### Accessories

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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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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