

## Cable connector - SF-5ES1N8A80DUS - 1618197

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Cable connector, straight short, SPEEDCON locking, M23, number of positions: 5+PE, type of contact: Socket, Crimp connection, shielded: yes, cable diameter range: 7.5 mm ... 14 mm

The figure shows the 4+3+PE version

### Your advantages

- ✓ Consistent EMC protection for reliable connection solutions in the industrial environment
- ✓ Crimping connection: vibration- and temperature-resistant assembly
- ✓ Flexible use: reliably connect cable diameters of 7.5 mm ... 14 mm
- ✓ Molded designs with pre-assembled cables on one or both sides



### Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                 |
| GTIN         |  |
| GTIN         | 4046356584456                                                                        |

### Technical data

#### General

|                                     |                                                               |
|-------------------------------------|---------------------------------------------------------------|
| Note                                | Order information: Order crimp contacts 6 x Ø 2 mm separately |
| Type of locking                     | SPEEDCON locking                                              |
| Coding                              | N                                                             |
| Contact connection method           | Crimp connection                                              |
| Type of contacts                    | Socket                                                        |
| Number of positions                 | 6                                                             |
| Contact diameter of power contacts  | 2 mm                                                          |
| Rated current for power contacts    | 30 A                                                          |
| Contact diameter of signal contacts | 2 mm                                                          |
| Conductor entry                     | 7.5 mm ... 14 mm                                              |
| Pg housing screw connection         | none                                                          |

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### Technical data

#### Ambient conditions

|                      |                   |
|----------------------|-------------------|
| Ambient temperature  | -40 °C ... 125 °C |
| Degree of protection | IP67              |

#### Specifications according to DIN EN 61984:2001

|                                               |        |
|-----------------------------------------------|--------|
| Installation height max.                      | 3000 m |
| Nominal / operating voltage of power contacts | 630 V  |
| Rated surge voltage of power contacts         | 6 kV   |
| Overvoltage category of power contacts        | III    |
| Degree of pollution of power contacts         | 3      |
| Rated surge voltage of signal contacts        | 6 kV   |
| Overvoltage category of signal contacts       | III    |
| Degree of pollution of signal contacts        | 3      |

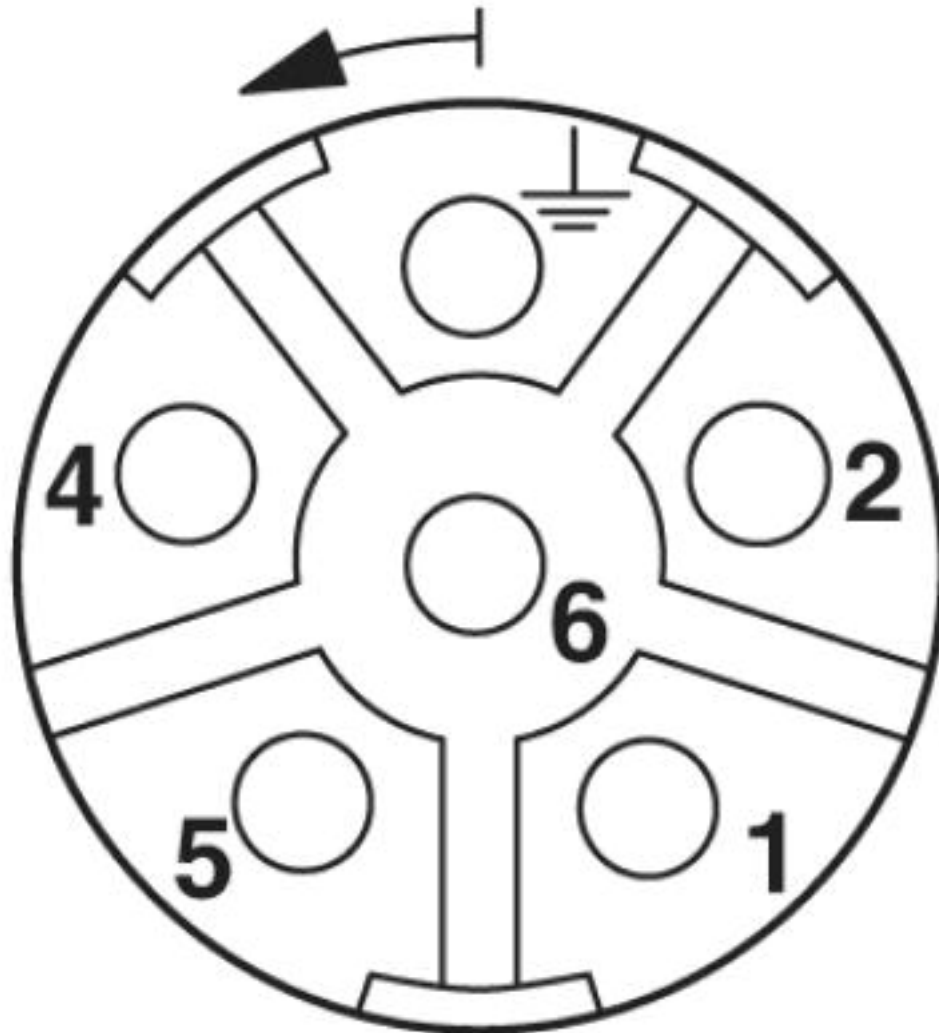
#### Environmental Product Compliance

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

## Cable connector - SF-5ES1N8A80DUS - 1618197

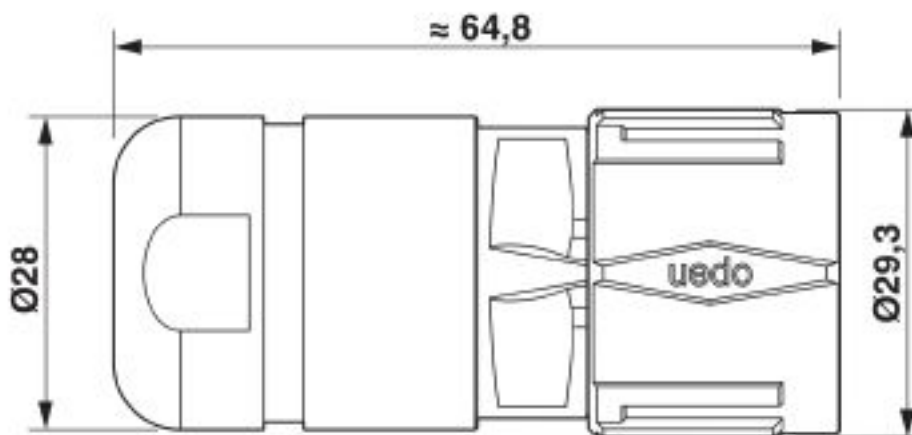
Schematic diagram



Connector pin assignment

## Cable connector - SF-5ES1N8A80DUS - 1618197

Dimensional drawing



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 | EC001121 |
| 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

EAC

Ex Approvals

#### Approval details

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

### Accessories

#### Accessories

##### Crimp contact

Crimp contact - SF-7PS2000 - 1605636



Crimp contact, turned, Single contact, contact diameter: 2 mm, crimp range: 0.25 mm² ... 1 mm²

Crimp contact - SF-7NS2000 - 1605631



Crimp contact, turned, Single contact, contact diameter: 2 mm, crimp range: 0.75 mm² ... 1.5 mm²

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### Accessories

Crimp contact - SF-7QS2000 - 1605643



Crimp contact, turned, Single contact, contact diameter: 2 mm, crimp range: 1 mm² ... 2.5 mm²

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### Mounting material

Color-coding - SF-Z0064 - 1620585



Color-coding, color: green

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Color-coding - SF-Z0065 - 1620586



Color-coding, color: orange

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Color-coding - SF-Z0066 - 1620587



Color-coding, color: black

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Torque screwdriver - SF-Z0028 - 1607456



Torque screwdriver

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## Cable connector - SF-5ES1N8A80DUS - 1618197

### Accessories

Square mounting flange - SF-Z0068 - 1620927



Square mounting flange, 4xM3, flange dimensions: 38 mm x 38 mm

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### Protective cover

Protective cap - RC-Z2058 - 1604223



Plastic protection cap for connectors with M23 knurled nut

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Plastic anti-static dust protection cap - RC-Z2468 - 1611796



Plastic protection cap, antistatic, for connectors with M23 knurled nut

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Metal protective cap - SC-Z2322 - 1605459



Metal dust protection cap with steel wire for power plugs with M23 knurled nuts

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Hook wrench - SF-Z0027 - 1607455



Hook wrench

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