**PHŒNIX CONTACT**

## Cable connector - SF-5ES1N8A80DU - 1605532

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Cable connector, straight short, Screw locking, M23, Number of positions: 5+PE, Type of contact: Socket, Crimp connection, shielded: Yes, Cable diameter: 7.5 mm...14 mm

## Key commercial data

| Packing unit | 1 pc |
|---|---|
| GTIN | 4 046356 182171 |
| Weight per Piece (excluding packing) | 123.8 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |
| Product key | ABRCBA |

## Technical data

### General

| Note | Order information Order crimp contacts 6 x Ø 2 mm separately |
|---|---|
| Type of locking | Screw locking |
| Coding | N |
| Contact connection method | Crimp connection |
| Type of contacts | Socket |
| Number of positions | 6 |
| Contact diameter of power contacts | 2 mm |
| Nominal current per power contact at 25°C | 30 A |
| Contact diameter of signal contacts | 2 mm |
| Conductor entry | 7.5 mm ... 14 mm |

### Ambient conditions

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

### Material

| Housing material | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
|---|---|

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## Technical data

### Material

| Insulator material | PA 66 |
|---|---|
| Gasket and O-ring material | FPM |

### 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 |
| Surge voltage category of power contacts | III |
| Pollution degree of power contacts | 3 |
| Rated surge voltage of signal contacts | 6 kV |
| Surge voltage category of signal contacts | III |
| Pollution degree of signal contacts | 3 |

## Classifications

### eCl@ss

| eCl@ss 4.0 | 272607xx |
|---|---|
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27242290 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260702 |
| eCl@ss 7.0 | 27440102 |
| eCl@ss 8.0 | 27440102 |

### ETIM

| ETIM 3.0 | EC001121 |
|---|---|
| ETIM 4.0 | EC001121 |
| ETIM 5.0 | EC002641 |

### UNSPSC

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

## Approvals

### Approvals

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Approvals

cUL Recognized / UL Recognized / cULus Recognized

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## Approvals

Ex Approvals

Approvals submitted

## Approval details

cUL Recognized

| | |
|---|---|
| mm²/AWG/kcmil | 4.0 |
| Nominal current IN | 15 A |
| Nominal voltage UN | 600 V |

UL Recognized

| | |
|---|---|
| mm²/AWG/kcmil | 4.0 |
| Nominal current IN | 25 A |
| Nominal voltage UN | 600 V |

cULus Recognized

## 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

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## Accessories

Crimp contact - SF-7NS2000 - 1605631

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

Crimp contact - SF-7QS2000 - 1605643

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

## Mounting material

Color-coding - SF-Z0064 - 1620585

Color-coding, Color: green

Color-coding - SF-Z0065 - 1620586

Color-coding, Color: orange

Color-coding - SF-Z0066 - 1620587

Color-coding, Color: black

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## Accessories

Torque screwdriver - SF-Z0028 - 1607456

Torque screwdriver

Hook wrench - SF-Z0027 - 1607455

Hook wrench

Square mounting flange - SF-Z0068 - 1620927

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

## Protective cover

Plastic dust protection cap - RC-Z2058 - 1604223

Plastic dust protection cap for connectors with M23 knurled nuts

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

Plastic dust protection cap, anti-static, for connectors with M23 knurled nuts

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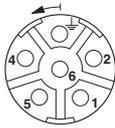
## Accessories

Metal dust protection cap - SC-Z2322 - 1605459

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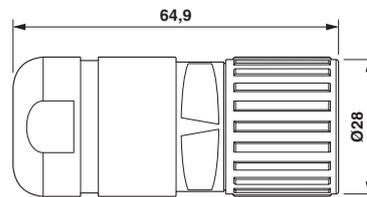
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## Drawings

### Schematic diagram

Connector pin assignment

### Dimensioned drawing

64,9

Ø28

Dimensional drawing

### Diagram

Attenuation [dB]

Frequency [MHz]

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