

## Coupler connector - SF-5EP1N8A9LDL - 1605510

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Coupler connector, straight long, Screw locking, M23, Number of positions: 5+PE, Type of contact: Male connector, Crimp connection, shielded: Yes, Cable diameter: 7.5 mm...18 mm, Compatible with mating connectors with SPEEDCON or M23 standard knurled nuts

The figure shows the 8-pos. (4+3+PE) product version



### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 046356 253246 |
| Weight per Piece (excluding packing) | 55.05 g   |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |
| Product key                          | ABRCBC  |
| Note                                 | Made to Order (non-returnable)  |

### 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                          | Male connector   |
| 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 ... 18 mm   |

#### Ambient conditions

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

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## Technical data

### Material

|                            |  |
|----------------------------|--|
| Housing material           | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| 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 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260708 |
| eCl@ss 7.0 | 27440312 |
| 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

# Coupler connector - SF-5EP1N8A9LDL - 1605510

## Approvals

Approvals

cUL Recognized / UL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

## Approval details

|                                |       |
|--------------------------------|-------|
| cUL Recognized                 |       |
| mm <sup>2</sup> /AWG/kcmil     | 4.0   |
| Nominal current I <sub>N</sub> | 15 A  |
| Nominal voltage U <sub>N</sub> | 600 V |

|                                |       |
|--------------------------------|-------|
| UL Recognized                  |       |
| mm <sup>2</sup> /AWG/kcmil     | 4.0   |
| Nominal current I <sub>N</sub> | 25 A  |
| Nominal voltage U <sub>N</sub> | 600 V |

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

## Accessories

Accessories

Crimp contact

Crimp contact - SF-7RP2000 - 1605646



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 0.14 mm<sup>2</sup>...0.25 mm<sup>2</sup>

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### Accessories

Crimp contact - SF-7PP2000 - 1605634



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 0.25 mm<sup>2</sup>...1 mm<sup>2</sup>

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Crimp contact - SF-20KP004 - 1607376



Crimp contact, turned, Contact diameter: 2 mm, Crimp range: 0.75 mm<sup>2</sup>...1.5 mm<sup>2</sup>

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Crimp contact - SF-7QP2000 - 1605639



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 1 mm<sup>2</sup>...2.5 mm<sup>2</sup>

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Crimp contact - SF-7MP2000 - 1605626



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 4 mm<sup>2</sup>...4 mm<sup>2</sup>

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### Mounting material

Color-coding - SF-Z0064 - 1620585



Color-coding, Color: green

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## Coupler connector - SF-5EP1N8A9LDL - 1605510

### Accessories

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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Square mounting flange - SF-Z0068 - 1620927



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

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### Protective cover

Plastic dust protection cap - SF-Z0019 - 1607449



Plastic dust protection cap with IP40 eye for connectors with M23 external thread, RF, SF series

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Plastic dust protection cap - RC-Z2059 - 1604225



Plastic dust protection cap for connectors with M23 external thread

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# Coupler connector - SF-5EP1N8A9LDL - 1605510

## Accessories

Plastic anti-static dust protection cap - RC-Z2469 - 1611797



Plastic dust protection cap, anti-static, for RF, SF series connectors, with M23 external thread

Metal dust protection cap - SC-Z2319 - 1605456



Metal dust protection cap for power plugs with M23 external thread

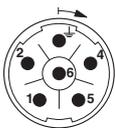
Metal dust protection cap - SC-Z2320 - 1605457



Metal dust protection cap with steel wire for power plugs with M23 external thread

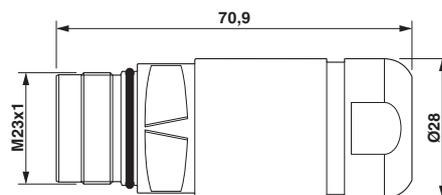
## Drawings

Schematic diagram



Connector pin assignment

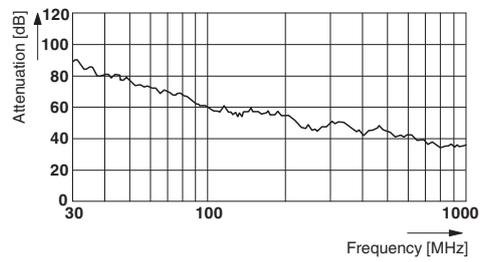
Dimensioned drawing



Dimensional drawing

## Coupler connector - SF-5EP1N8A9LDL - 1605510

Diagram



Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

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- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
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