# Coupler connector - SH-8EPS48A9LB1S - 1621558

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The figure shows the product version with CAT5 interface

Coupling connector, SH, straight long, shielded: yes, for standard and SPEEDCON interlock, M23, No. of pos.: 8+4+PE, type of contact: Pin, Crimp connection, cable diameter range: 15 mm ... 18 mm

## Your advantages

- All housing can be fitted with pin or socket contacts
- A total of eight contacts are available for signal transmission
- Safe use in the field, thanks to high degree of protection
- Consistent EMC protection for reliable connection solutions in the industrial environment

RoHS

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| GTIN | 4 046356 937061 |
| GTIN | 4046356937061 |

## Technical data

### Temperature range

| | |
|---|---|
| Ambient temperature (operation) | -40 °C ... 130 °C |

### Data of the insulating body

| | |
|---|---|
| Note | Order information: Crimp contacts, 8 x Ø 1 mm, 5 x Ø 2 mm, order separately |
| Protection against electric shock | IEC 61984 and VDE 0623 |
| Coding | N |
| Insulator material | PA 6.6 |
| Insertion/withdrawal cycles mechanical | 100 |
| Contact connection method | Crimp connection |
| Type of contacts | Pin |
| Application | Hybrid |

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## Technical data

### Data of the insulating body

| | |
|---|---|
| Number of positions | 13 |
| Contact diameter of power contacts | 2 mm |
| Litz wire cross section of power contacts min. | 0.25 mm² |
| Litz wire cross section of power contacts max. | 4 mm² |
| Nominal current per power contact at 25°C | 30 A |
| Rated surge voltage | 6 kV |
| Rated voltage (II/3) power contact | 850 V DC |
| Rated voltage (III/3) power contact | 630 VòAC |
| Contact diameter of signal contacts | 1 mm |
| Litz wire cross section of signal contacts min. | 0.06 mm² |
| Litz wire cross section of signal contacts max. | 1 mm² |
| Nominal current per signal contact at 25°C | 8 A |
| Rated surge voltage | 1.5 kV |
| Rated voltage (III/3) signal contact | 50 V |

### Housing data

| | |
|---|---|
| Note | The suitability for assembly must be checked when fully assigned with maximum wire cross sections. |
| 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 |
| | IP68 |
| Thread type | M23 |

### Cable seal data

| | |
|---|---|
| Cable diameter | 15 mm ... 18 mm |

### Environmental Product Compliance

| | |
|---|---|
| | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration” |

## Drawings

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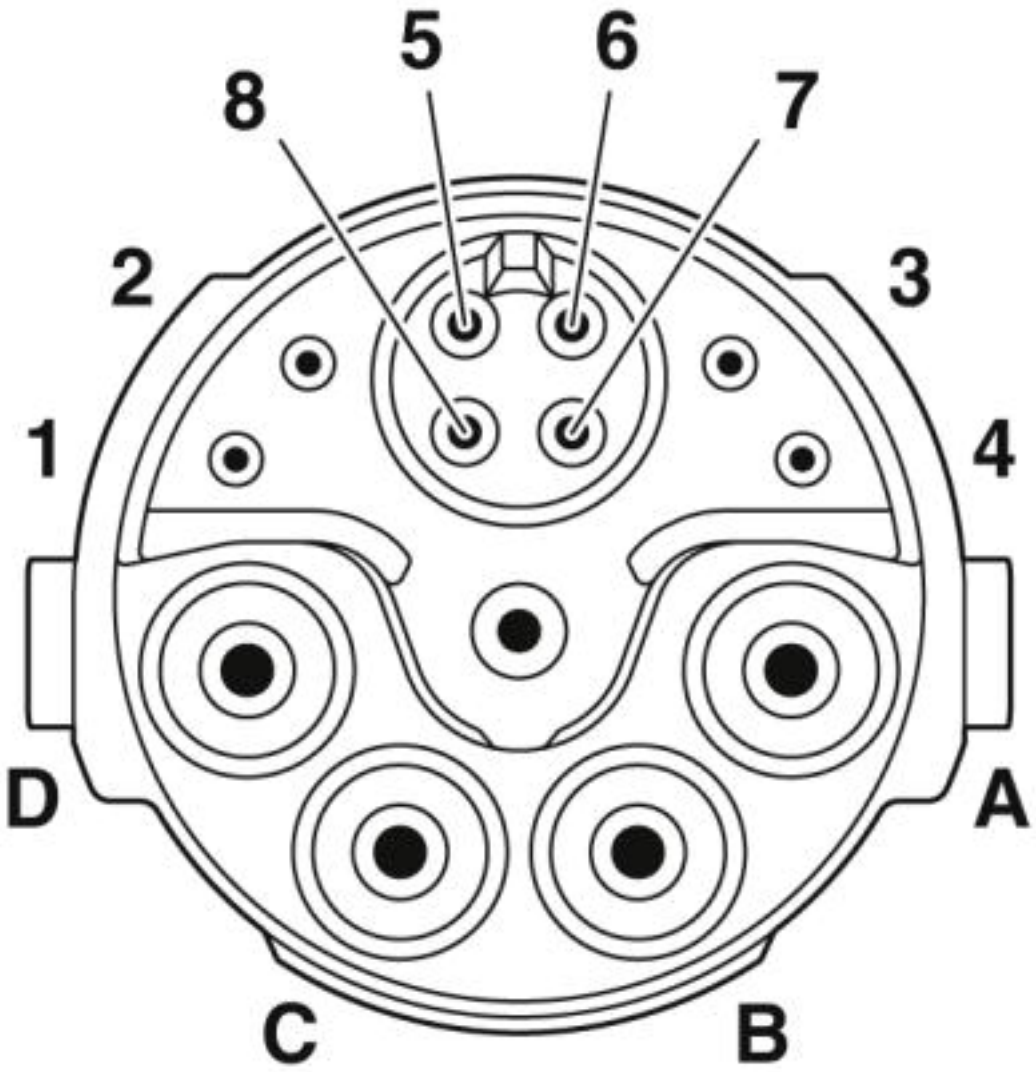
Schematic diagram




Pin assignment of pin, signal

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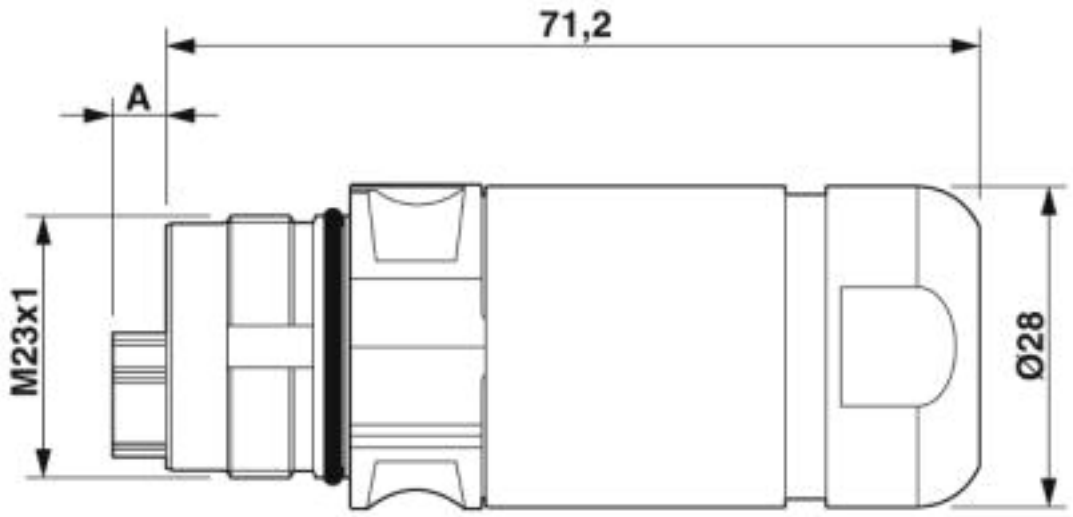
Dimensional drawing




Pin version: dimension A = 4.7 mm, socket version: dimension A = 0 mm

## Approvals

### Approvals

Approvals

EAC / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

### Approval details

| | | |
|---|---|---|
| EAC | | B.01742 |

| | | | |
|---|---|---|---|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E153698-20181206 |

| | |
|---|---|
| Nominal voltage UN | 600 V |
| Nominal current IN | 24 A |
| mm²/AWG/kcmil | 12 |

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cULus Recognized

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