

## Cable connector - SH-8EPS48A8LB4S - 1621535

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Cable connector, straight long, shielded: yes, SPEEDCON locking, M23, No. of pos.: 8+4+PE, type of contact: Pin, Crimp connection, cable diameter range: 7.5 mm ... 9 mm

The figure shows the product version with CAT5 interface

### Your advantages

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



### Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 1 pc          |
| GTIN         |               |
| GTIN         | 4046356936583 |

### 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   |

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## Technical data

### Data of the insulating body

|   |                      |
|---|----------------------|
| Application                                     | Hybrid               |
| Number of positions                             | 13                   |
| Contact diameter of power contacts              | 2 mm                 |
| Litz wire cross section of power contacts min.  | 0.25 mm <sup>2</sup> |
| Litz wire cross section of power contacts max.  | 4 mm <sup>2</sup>    |
| 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 V $\hat{a}$ AC   |
| Contact diameter of signal contacts             | 1 mm                 |
| Litz wire cross section of signal contacts min. | 0.06 mm <sup>2</sup> |
| Litz wire cross section of signal contacts max. | 1 mm <sup>2</sup>    |
| 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                       | Metal  |
| Type of locking                        | SPEEDCON locking   |
| Degree of protection (when plugged in) | IP67   |
|  | IP68   |
|  | IP69K  |
| Thread type                            | M23  |

### Cable seal data

|                  |                 |
|------------------|-----------------|
| Cable diameter   | 7.5 mm ... 9 mm |
| Sealing material | FKM             |

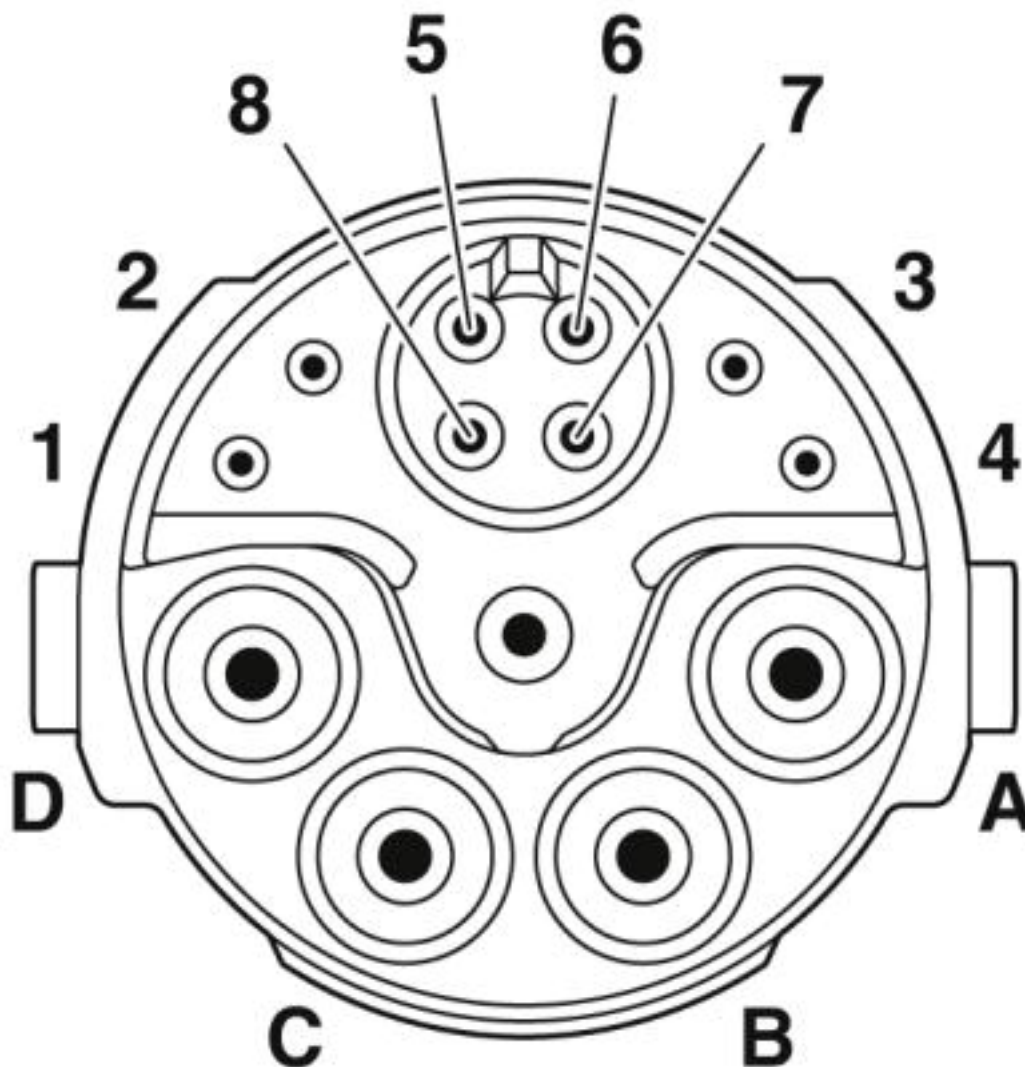
### Environmental Product Compliance

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

# Cable connector - SH-8EPS48A8LB4S - 1621535

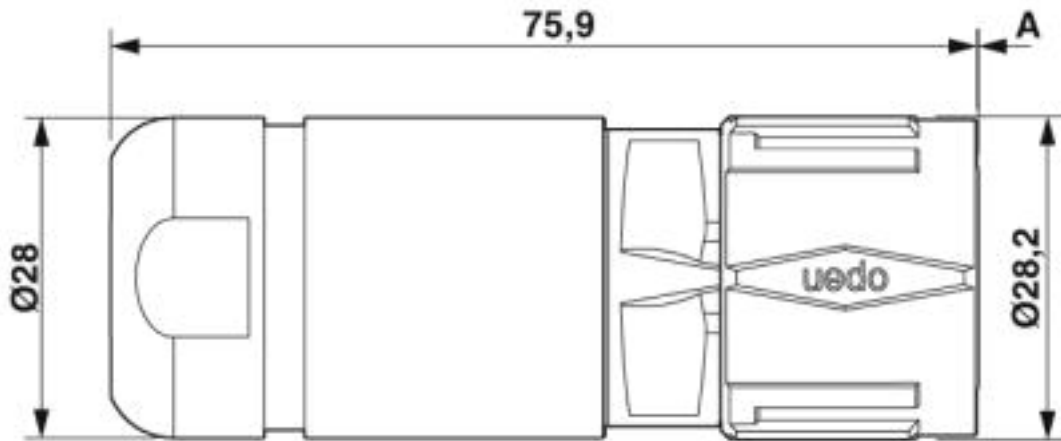
Schematic diagram



Pin assignment of pin, signal

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Dimensional drawing



Pin version: dimension A = 0.2 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 |  | <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> E153698-20181206 |
|---------------|--|--|

|                            |       |
|----------------------------|-------|
| Nominal voltage UN         | 600 V |
| Nominal current IN         | 24 A  |
| mm <sup>2</sup> /AWG/kcmil | 12    |

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### Approvals

|                            |   |  |
|----------------------------|---|--|
| 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> E153698-20181206 |
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| mm <sup>2</sup> /AWG/kcmil | 12  |  |

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

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