

## Coupler connector - SH-8ESC58A9LDLS - 1621539

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Coupling connector, straight long, shielded: yes, Screw locking, M23, Number of positions: 4+4+4+PE, Type of contact: Socket, Crimp connection, Cable diameter: 7.5 mm ... 18 mm

### Why buy this product

- Transmission of signals, data, and power in just a single connector
- CAT5 data interface
- 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 STK   |
| GTIN                                 | <br>4 046356 936873 |
| Weight per Piece (excluding packing) | 115.9 g   |
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| Country of origin                    | Germany   |
| Note                                 | Made to Order (non-returnable)  |

### Technical data

#### Temperature range

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

#### Data of the insulating body

|  |  |
|--|--|
| Note   | Order information: Crimp contacts, 4x Ø 0.8 mm, 4x Ø 1 mm, 5x Ø 2 mm, order separately |
| Coding   | N  |
| Insulator material                             | Polyamide (PA 6.6)   |
| Insertion/withdrawal cycles mechanical         | 100  |
| Contact connection method                      | Crimp connection   |
| Type of contacts                               | Socket   |
| 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>  |

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## Technical data

### Data of the insulating body

|   |                      |
|---|----------------------|
| Nominal current per power contact at 25°C       | 30 A                 |
| Nominal voltage, power contact                  | 630 V AC             |
|   | 850 V DC             |
| 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                  |
| Nominal voltage, signal contact                 | 50 V                 |
| Contact diameter, data contacts                 | 0.8 mm               |
| Litz wire cross section, data contacts, min.    | 0.08 mm <sup>2</sup> |
| Litz wire cross section, data contacts, max.    | 0.5 mm <sup>2</sup>  |
| Nominal current per data contact at 25°C        | 3.6 A                |
| Nominal voltage of data contact                 | 50 V                 |
| Overvoltage category                            | III                  |
| Degree of pollution                             | 3                    |

### Housing data

|  |  |
|--|--|
| Housing material                       | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Type of locking                        | Screw locking  |
| Degree of protection (when plugged in) | IP67   |
|  | IP68   |
| Thread type                            | M23  |

### Cable seal data

|                     |        |
|---------------------|--------|
| Min. cable diameter | 7.5 mm |
| Max. cable diameter | 18 mm  |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260702 |
| eCl@ss 8.0 | 27440102 |
| eCl@ss 9.0 | 27440103 |

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002635 |
| ETIM 5.0 | EC002635 |

## Approvals

### Approvals

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## Approvals

Approvals

EAC

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Ex Approvals

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Approvals submitted

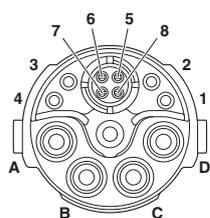
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## Approval details

|     |
|-----|
| EAC |
|-----|

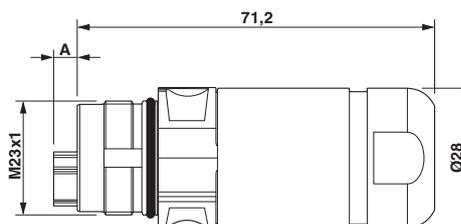
## Drawings

Schematic diagram



Socket pin assignment, CAT5

Dimensional drawing



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