

## Cable connector - SH-8EPC58A8LB1S - 1621533

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Cable connector, straight long, shielded: Yes, SPEEDCON locking, M23, No. of pos.: 4+4+4+PE / 3+N+PE, type of contact: Pin, Crimp connection, cable diameter range: 15 mm ... 18 mm

### Why buy this product

- ✓ Transmission of signals, data, and power in just a single connector
- ✓ CAT5 data interface for up to 100 Mbps
- ✓ 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 STK                                                                                                   |
| GTIN         | <br>4 046356 936569 |
| GTIN         | 4046356936569                                                                                           |

### 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 |
| Data rate                              | 100 Mbps                                                                               |
| Coding                                 | N                                                                                      |
| Insulator material                     | Polyamide (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 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                 |
| Nominal voltage, power contact                  | 630 V AC             |
|                                                 | 850 V DC             |
| Rated surge voltage                             | 6 kV                 |
| 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                 |
| Rated surge voltage                             | 1.5 kV               |
| 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                 |
| Rated surge voltage                             | 1.5 kV               |
| Overvoltage category                            | III                  |
| Degree of pollution                             | 3                    |

### Housing data

|                                        |                                                                                                              |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Note                                   | Notes on operation Full occupation with 5 x 4 mm <sup>2</sup> for cable and coupler connectors not possible. |
| Housing material                       | Metal                                                                                                        |
| Type of locking                        | SPEEDCON locking                                                                                             |
| Degree of protection (when plugged in) | IP67                                                                                                         |
|                                        | IP68                                                                                                         |
| Thread type                            | M23                                                                                                          |

### Cable seal data

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

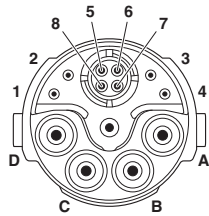
### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

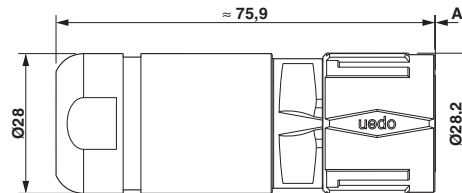
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Schematic diagram



Pin assignment of pin, CAT5

Dimensional drawing



Pin version: dimension A = 0.2 mm, socket version: dimension A = 0 mm

### Approvals

#### Approvals

Approvals

EAC

Ex Approvals

#### Approval details

EAC



B.01742

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