

## Cable connector - SH-8EPC58A8LB2S - 1621532

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Cable connector, SH, 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: 12 mm ... 15 mm

### Your advantages

- ✓ 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 pc  |
| GTIN         | <br>4 046356 936552 |
| GTIN         | 4046356936552   |

### 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 |
| Protection against electric shock      | IEC 61984 and VDE 0623   |
| Data rate                              | 100 Mbps   |
| 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                                |
| Direction of rotation                           | Standard                          |
| 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>                 |
| Rated current for power contacts                | 30 A                              |
| Note  | for max. connection cross section |
| Rated surge voltage                             | 6 kV                              |
| Rated voltage (II/3) power contact              | 850 V DC                          |
| Rated voltage (III/3) power contact             | 630 V 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              | 8 A                               |
| Note  | for max. connection cross section |
| Rated surge voltage                             | 1.5 kV                            |
| Rated voltage (III/3) 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>               |
| Rated current of each data contact at 25°C      | 3.6 A                             |
| Note  | for max. connection cross section |
| Rated voltage of data contact                   | 50 V                              |
| Rated surge voltage                             | 1.5 kV                            |
| Installation height                             | 2000 m                            |

### Housing data

|  |   |
|--|---|
| Note                                   | Notes on operation 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 | 12 mm ... 15 mm |
|----------------|-----------------|

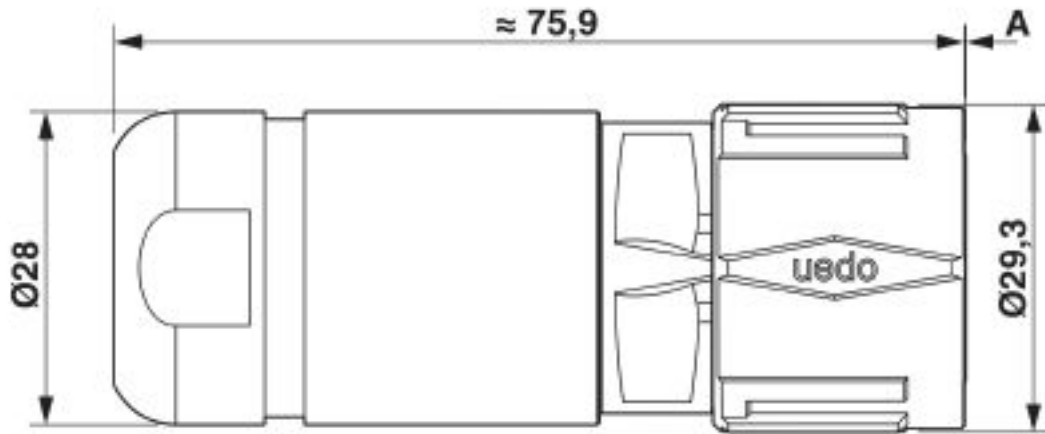
### Environmental Product Compliance

|            |  |
|------------|--|
| REACH SVHC | Lead 7439-92-1                                 |
| China RoHS | Environmentally Friendly Use Period = 50 years |



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Dimensional drawing



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

## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440102 |
| eCl@ss 4.0    | 27260700 |
| eCl@ss 4.1    | 27260700 |
| eCl@ss 5.0    | 27260700 |
| eCl@ss 5.1    | 27260700 |
| eCl@ss 6.0    | 27260700 |
| eCl@ss 7.0    | 27440102 |
| eCl@ss 8.0    | 27440102 |
| eCl@ss 9.0    | 27440102 |

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002635 |
| ETIM 5.0 | EC002635 |
| ETIM 6.0 | EC002061 |

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121413 |
| UNSPSC 18.0 | 39121413 |
| UNSPSC 19.0 | 39121413 |
| UNSPSC 20.0 | 39121413 |
| UNSPSC 21.0 | 39121413 |

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## Approvals


### Approvals


#### Approvals


EAC / cULus Recognized / UL Recognized / cUL Recognized / cULus Recognized


#### Ex Approvals


### Approval details

|     |   |         |
|-----|---|---------|
| EAC |  | B.01687 |
|-----|---|---------|

|                    |  |  |
|--------------------|--|--|
| cULus 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> E468743-20150928 |
| Nominal voltage UN | 600 V  |  |
| Nominal current IN | 16 A   |  |

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

|                            |   |  |
|----------------------------|---|--|
| 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 |
| Nominal voltage UN         | 600 V   |  |
| Nominal current IN         | 21.4 A  |  |
| mm <sup>2</sup> /AWG/kcmil | 12  |  |

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

## Cable connector - SH-8EPC58A8LB2S - 1621532

### Accessories

#### Accessories

#### Cable by the meter

Hybrid cable - KC-88014311/1,00 - 1623127



Hybrid cable, length: 1 m, color of outer sheath: orange RAL 2003

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Hybrid cable - KC-88014311/100,00 - 1623039



Hybrid cable, length: 100 m, color of outer sheath: orange RAL 2003

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Hybrid cable - KC-88014311/20,00 - 1622080



Hybrid cable, length: 20 m, color of outer sheath: orange RAL 2003

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### Crimp contact

Crimp contact - ST-10KP010 - 1618255



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.06 mm<sup>2</sup> ... 0.25 mm<sup>2</sup>

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Crimp contact - ST-10KP035 - 1618458



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

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## Cable connector - SH-8EPC58A8LB2S - 1621532

### Accessories

Crimp contact - SF-20KP021 - 1621579



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

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Crimp contact - SF-20KP022 - 1621580



Crimp contact, turned, contact diameter: 2 mm, crimp range: 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

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Crimp contact - SF-20KP023 - 1621581



Crimp contact, turned, contact diameter: 2 mm, crimp range: 2.5 mm<sup>2</sup> ... 4 mm<sup>2</sup>

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Crimp contact - SF-08KP010 - 1621574



Crimp contact, turned, contact diameter: 0.8 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.25 mm<sup>2</sup>

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Crimp contact - SF-08KP020 - 1621575



Crimp contact, turned, contact diameter: 0.8 mm, crimp range: 0.34 mm<sup>2</sup> ... 0.5 mm<sup>2</sup>

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### Mounting material

## Cable connector - SH-8EPC58A8LB2S - 1621532

### Accessories

Square mounting flange - SF-Z0068 - 1620927



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

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Torque screwdriver - SF-Z0028 - 1607456



Torque screwdriver

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Color-coding - SF-Z0064 - 1620585



Color-coding, color: green

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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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Protective cover

## Cable connector - SH-8EPC58A8LB2S - 1621532

### Accessories

Metal protective cap - SH-Z0077 - 1627226



Metal protection cap with steel wire and loop, for M23 power and hybrid connectors with knurled nut for fastening to the cable

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Metal protective cap - SH-Z2300 - 1622141



Metal protection cap with steel wire, for M23 hybrid connectors with knurled nut

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Sample set - M23 HYBRID\_CONTACT-SAMPLE-SET - 1623252



Sample set consisting of 4 x Ø 1.0 mm, 4 x Ø 0.8 mm, 5 x Ø 2.0 mm for all socket and pin contacts for M23 hybrid connectors. Contacts included: 1621573, 1618254, 1621577, 1621575, 1618261, 1621580

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