

## Cable connector - SH-8EPS48A8LB4 - 1622013

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Cable connector, straight long, shielded: yes, Screw locking, M23, Number of positions: 8+4+PE, Type of contact: Male connector, Crimp connection, Cable diameter: 7.5 mm ... 9 mm

The figure shows the product version with CAT5 interface

### Why buy this product

- ✓ 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 STK    |
| Custom tariff number | 85366990 |
| Country of origin    | Germany  |

### 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 |
| Coding                                 | N   |
| Insulator material                     | Polyamide (PA 6.6)  |
| Insertion/withdrawal cycles mechanical | 100   |

# Cable connector - SH-8EPS48A8LB4 - 1622013

## Technical data

### Data of the insulating body

|   |                      |
|---|----------------------|
| Contact connection method                       | Crimp connection     |
| Type of contacts                                | Male connector       |
| 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             |
| 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                 |
| Overvoltage category                            | III                  |
| Degree of pollution                             | 3                    |

### Housing data

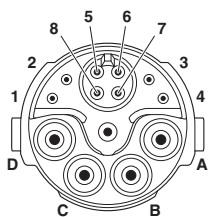
|  |  |
|--|--|
| Housing material                       | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Type of locking                        | Screw locking  |
| Degree of protection (when plugged in) | IP67   |
|  | IP68   |
| Thread type                            | M23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

### Cable seal data

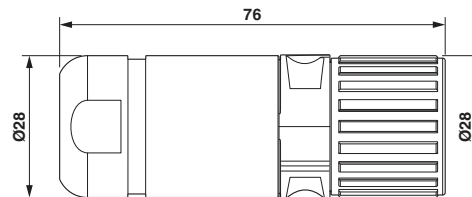
|                     |        |
|---------------------|--------|
| Min. cable diameter | 7.5 mm |
| Max. cable diameter | 9 mm   |
| Sealing material    | FKM    |

## Drawings

Schematic diagram



Dimensional drawing



Pin assignment of pin, signal

## Cable connector - SH-8EPS48A8LB4 - 1622013

### 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 5.0 | EC002635 |
|----------|----------|

### Approvals

#### Approvals

---

#### Approvals

#### EAC

---

#### Ex Approvals

---

### Approval details

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

### Accessories

#### Accessories

#### 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>

## Cable connector - SH-8EPS48A8LB4 - 1622013

### Accessories

Crimp contact - ST-10KP020 - 1618256



Crimp contact, turned, Single contact, Contact diameter: 1 mm, Crimp range: 0.34 mm<sup>2</sup>...0.5 mm<sup>2</sup>

---

Crimp contact - ST-10KP030 - 1618261



Crimp contact, turned, Single contact, Contact diameter: 1 mm, Crimp range: 0.5 mm<sup>2</sup>...1 mm<sup>2</sup>

---

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>

---

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>

---

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>

---

### Mounting material

## Cable connector - SH-8EPS48A8LB4 - 1622013

### Accessories

Square mounting flange - SF-Z0068 - 1620927



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

---

Color-coding - SF-Z0064 - 1620585



Color-coding, Color: green

---

Color-coding - SF-Z0065 - 1620586



Color-coding, Color: orange

---

Color-coding - SF-Z0066 - 1620587



Color-coding, Color: black

---