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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## 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
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#### 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

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## 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

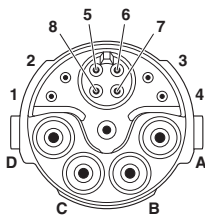
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	Screw locking
Degree of protection (when plugged in)	IP67
	IP68
Thread type	M23

### Cable seal data

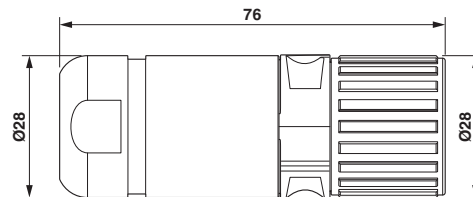
Min. cable diameter	7.5 mm
Max. cable diameter	9 mm
Sealing material	FKM

## 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
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### Approvals

#### Approvals

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#### Approvals

#### EAC

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#### Ex Approvals

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### Approval details

EAC B.01742
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### 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>



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### 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>

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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>

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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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### 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

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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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