

## Coupler connector - SH-8ESS48A9LDLS - 1621544

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Coupling connector, straight long, shielded: yes, Screw locking, M23, Number of positions: 8+4+PE, Type of contact: Socket, Crimp connection, Cable diameter: 7.5 mm ... 18 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
- ✓ 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	 4 046356 936927
GTIN	4046356936927
Weight per Piece (excluding packing)	114.500 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

### 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	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>
Nominal current per power contact at 25°C	30 A
Nominal voltage, power contact	630 V AC
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
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	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

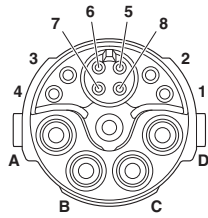
### Environmental Product Compliance

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

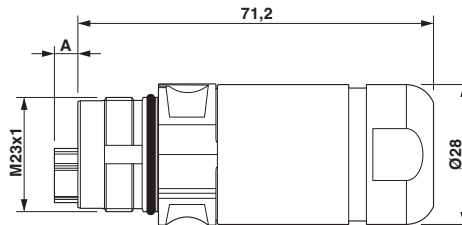
## Drawings

# Coupler connector - SH-8ESS48A9LDLS - 1621544

Schematic diagram



Dimensional drawing



Socket pin assignment, signal

Pin version: dimension A = 4.7 mm, socket version: dimension A = 0 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
ETIM 6.0	EC002635

UNSPSC

UNSPSC 13.2	39121413
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## Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		B.01742
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## Coupler connector - SH-8ESS48A9LDLS - 1621544

### Accessories

#### Accessories

#### Crimp contact

##### Crimp contact - ST-10KS010 - 1618239



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-10KS020 - 1618251



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-10KS030 - 1618254



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-20KS021 - 1621576



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-20KS022 - 1621577



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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## Coupler connector - SH-8ESS48A9LDLS - 1621544

### Accessories

Crimp contact - SF-20KS023 - 1621578



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

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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### Protective cover

## Coupler connector - SH-8ESS48A9LDLS - 1621544

### Accessories

Plastic dust protection cap - SH-Z2304 - 1622137



Plastic dust protection cap for M23 hybrid connectors with external thread

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Metal dust protection cap - SH-Z2303 - 1622138



Metal dust protection cap for M23 hybrid connectors with external thread

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Metal dust protection cap - SH-Z2302 - 1622139



Metal dust protection cap with steel wire for M23 hybrid connectors with external thread

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