

# Coupler connector - SH-8ESS48A9LB4S - 1621545

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Coupling connector, straight long, shielded: yes, for standard and SPEEDCON interlock, M23, No. of pos.: 8+4+PE, type of contact: Socket, Crimp connection, cable diameter range: 7.5 mm ... 9 mm

The figure shows the product version with CAT5 interface

## Your advantages

- ✓ 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 pc
GTIN	
GTIN	4046356936934

## 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
Protection against electric shock	IEC 61984 and VDE 0623
Coding	N
Insulator material	PA 6.6
Insertion/withdrawal cycles mechanical	100
Contact connection method	Crimp connection
Type of contacts	Socket
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
Rated surge voltage	6 kV
Rated voltage (II/3) power contact	850 V DC
Rated voltage (III/3) power contact	630 V $\hat{a}$ 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
Rated surge voltage	1.5 kV
Rated voltage (III/3) signal contact	50 V

### Housing data

Note	The suitability for assembly must be checked when fully assigned with maximum wire cross sections.
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	for standard and SPEEDCON interlock
Degree of protection (when plugged in)	IP67
	IP68
Thread type	M23

### Cable seal data

Cable diameter	7.5 mm ... 9 mm
Sealing material	FKM

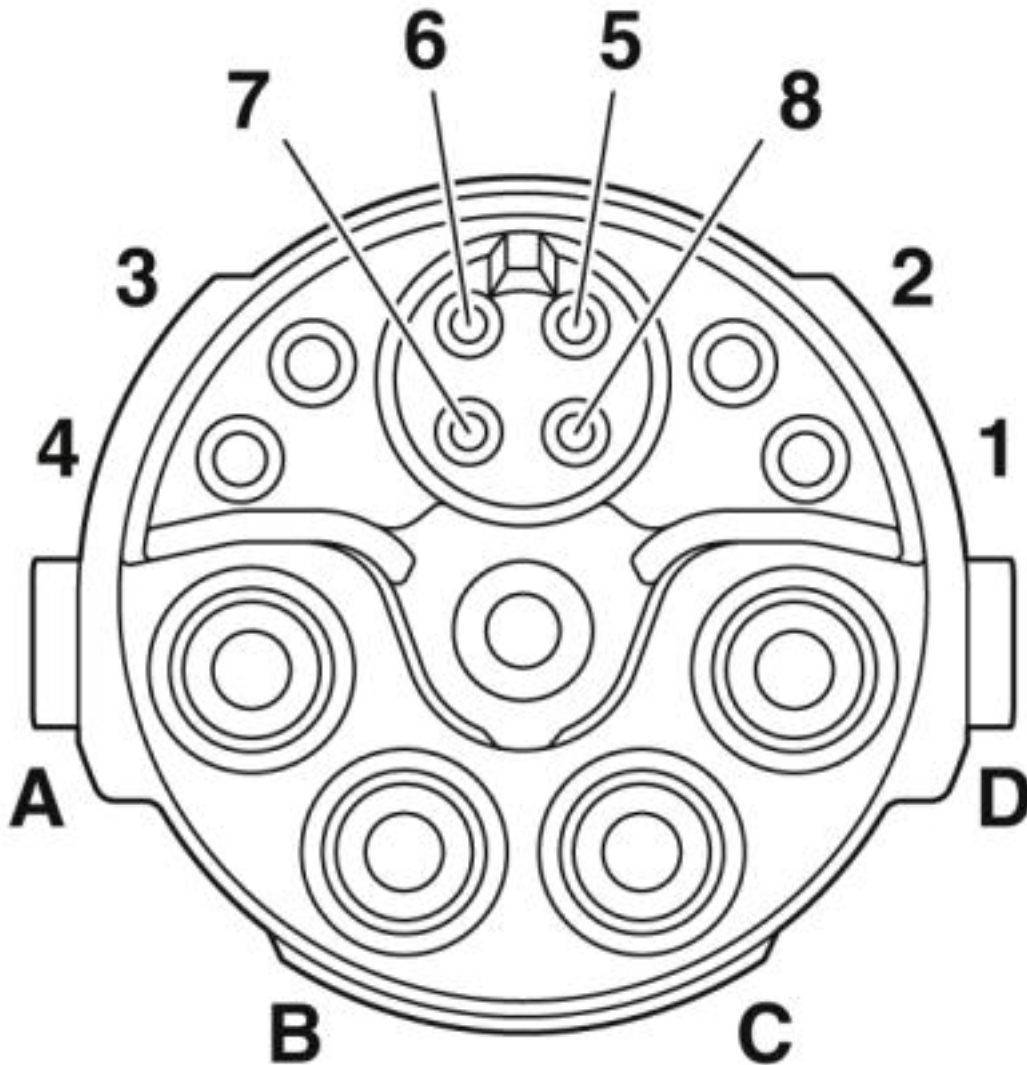
### Environmental Product Compliance

	Lead 7439-92-1
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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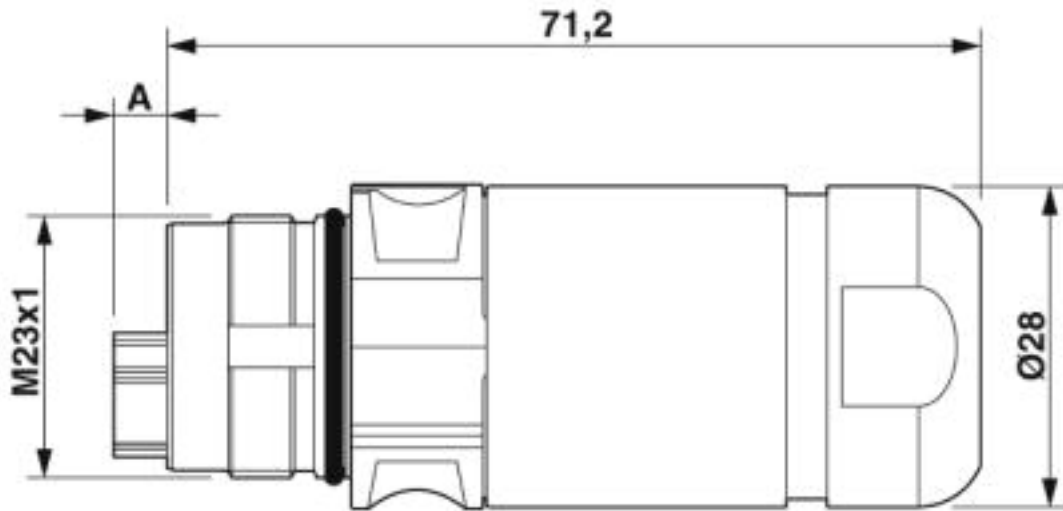
Schematic diagram



Socket pin assignment, signal

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Dimensional drawing



Pin version: dimension A = 4.7 mm, socket version: dimension A = 0 mm

## Approvals

Approvals

Approvals

EAC / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

## Approval details


EAC		B.01742
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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
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Nominal voltage UN	600 V
Nominal current IN	24 A
mm <sup>2</sup> /AWG/kcmil	12

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cULus Recognized	
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