

## Coupler connector - SB-8EPSA8A9L33S - 1623360

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Coupling connector, straight long, shielded: yes, for standard and SPEEDCON interlock, M40, No. of pos.: 8+4+PE, type of contact: Pin, Crimp connection, cable diameter range: 14 mm ... 20.5 mm

### Your advantages

- All housing can be fitted with pin or socket contacts
- A total of eight contacts are available for signal transmission
- Mechanical coding reliably prevents incorrect connections
- 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	 4 055626 194745
GTIN	4055626194745

### Technical data

#### Temperature range

Ambient temperature (operation)	-40 °C ... 130 °C
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#### Data of the insulating body

Coding	Signal, coding 1
Contact connection method	Crimp connection
Type of contacts	Pin
Application	Hybrid
Number of positions	13
Contact diameter of power contacts	3.6 mm
Litz wire cross section of power contacts min.	1 mm <sup>2</sup>
Litz wire cross section of power contacts max.	16 mm <sup>2</sup>
Nominal current per power contact at 25°C	70 A

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## Technical data

### Data of the insulating body

Rated surge voltage	6 kV
Degree of pollution	3
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.	1.5 mm <sup>2</sup>
Nominal current per signal contact at 25°C	8 A
Rated surge voltage	6 kV
Rated voltage (III/3) signal contact	500 V
Contact diameter, data contacts	1 mm
Litz wire cross section, data contacts, min.	0.06 mm <sup>2</sup>
Litz wire cross section, data contacts, max.	1.5 mm <sup>2</sup>
Nominal current per data contact at 25°C	8 A
Nominal voltage of data contact	50 V
Rated surge voltage	1.5 kV
Rated voltage (III/3) data contact	50 V

### Housing data

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)	IP68/IP69K
Thread type	M40

### Cable seal data

Cable diameter	14 mm ... 20.5 mm
Sealing material	FKM

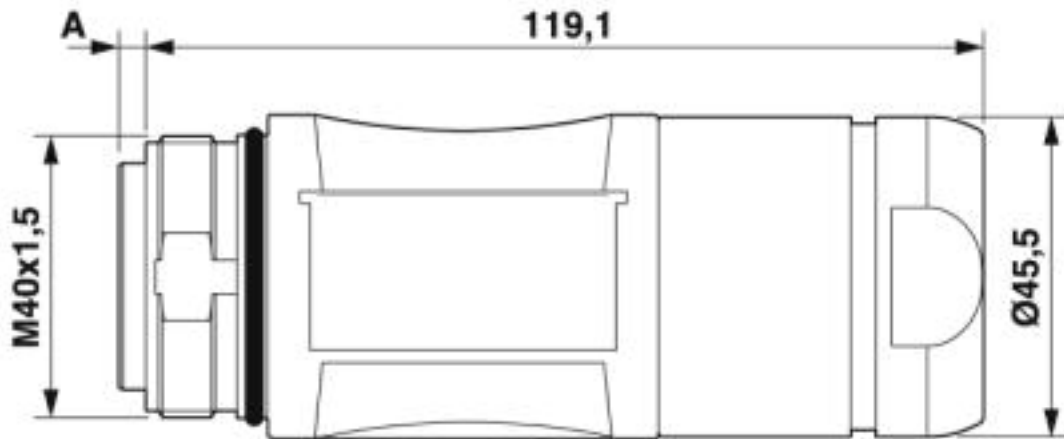
### Environmental Product Compliance

REACH SVHC	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

## Coupler connector - SB-8EPSA8A9L33S - 1623360

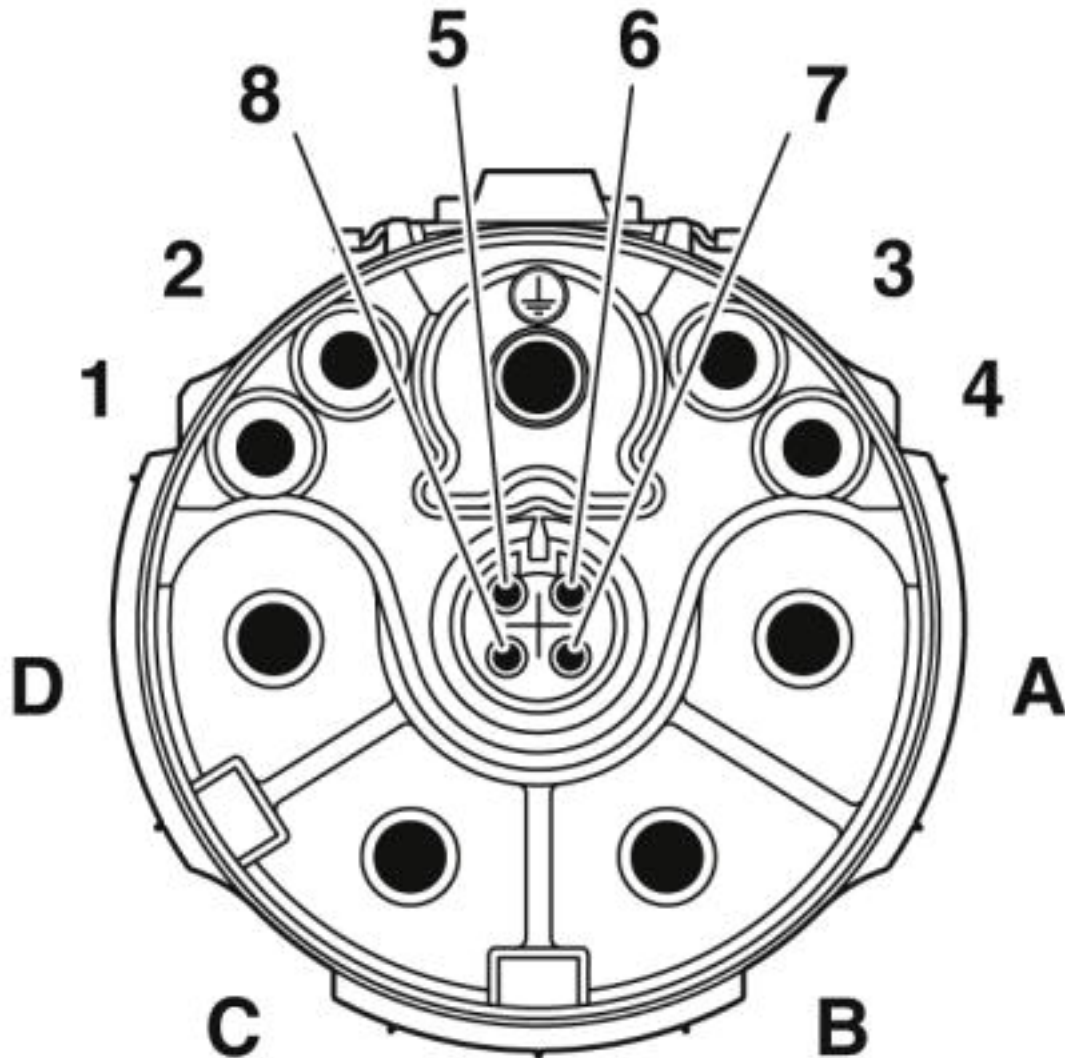
Dimensional drawing



Pin version: dimension A = 3.8 mm, socket version: dimension A = 0.15 mm

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Schematic diagram



Pin assignment of pin signal, coding 1

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>