

## Coupler connector - CA-12M2N8A9503 - 1620004

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Coupling connector, CA, straight, shielded: yes, for standard and SPEEDCON interlock, M23, No. of pos.: 12, type of contact: Pin, Crimp connection, cable diameter range: 6 mm ... 10 mm

### Your advantages

- ✓ Safe use in the field, thanks to high degree of protection
- ✓ Connector for flexible on-site assembly
- ✓ Consistent EMC protection for reliable connection solutions in the industrial environment
- ✓ Crimping connection: vibration- and temperature-resistant assembly

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 819909
GTIN	4046356819909
Weight per Piece (excluding packing)	100.000 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Temperature range

Ambient temperature (operation)	-40 °C ... 125 °C
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#### Data of the insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Insulator material	PA 6.6

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### Technical data

#### Data of the insulating body

Contact connection method	Crimp connection
Type of contacts	Pin
Application	Feedback, signal
Number of positions	12
Direction of rotation	Counter direction
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	8 A
Rated voltage of signal contact	150 V
Rated surge voltage	2.5 kV
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	for standard and SPEEDCON interlock
Degree of protection (when plugged in)	IP67
Thread type	M23

#### Cable seal data

Cable diameter	6 mm ... 10 mm
Sealing material	FPM

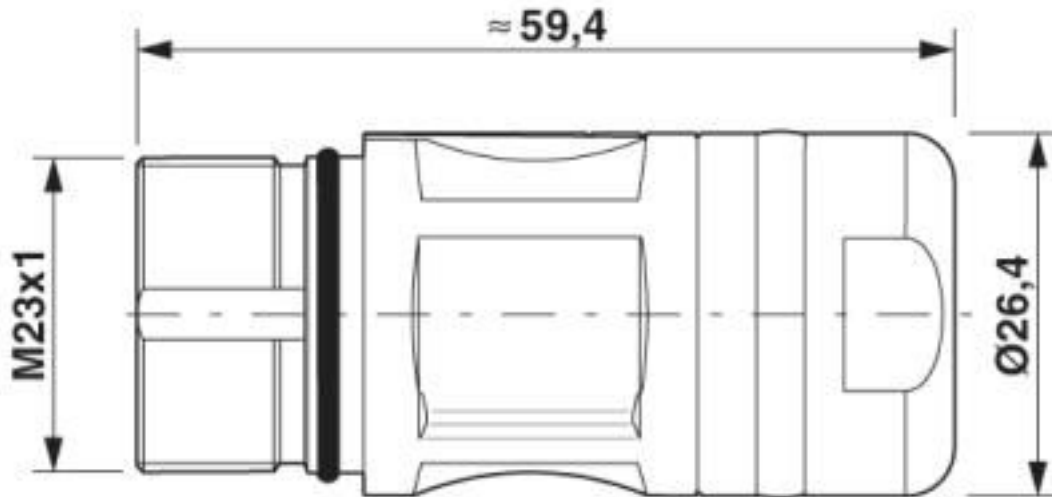
#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings

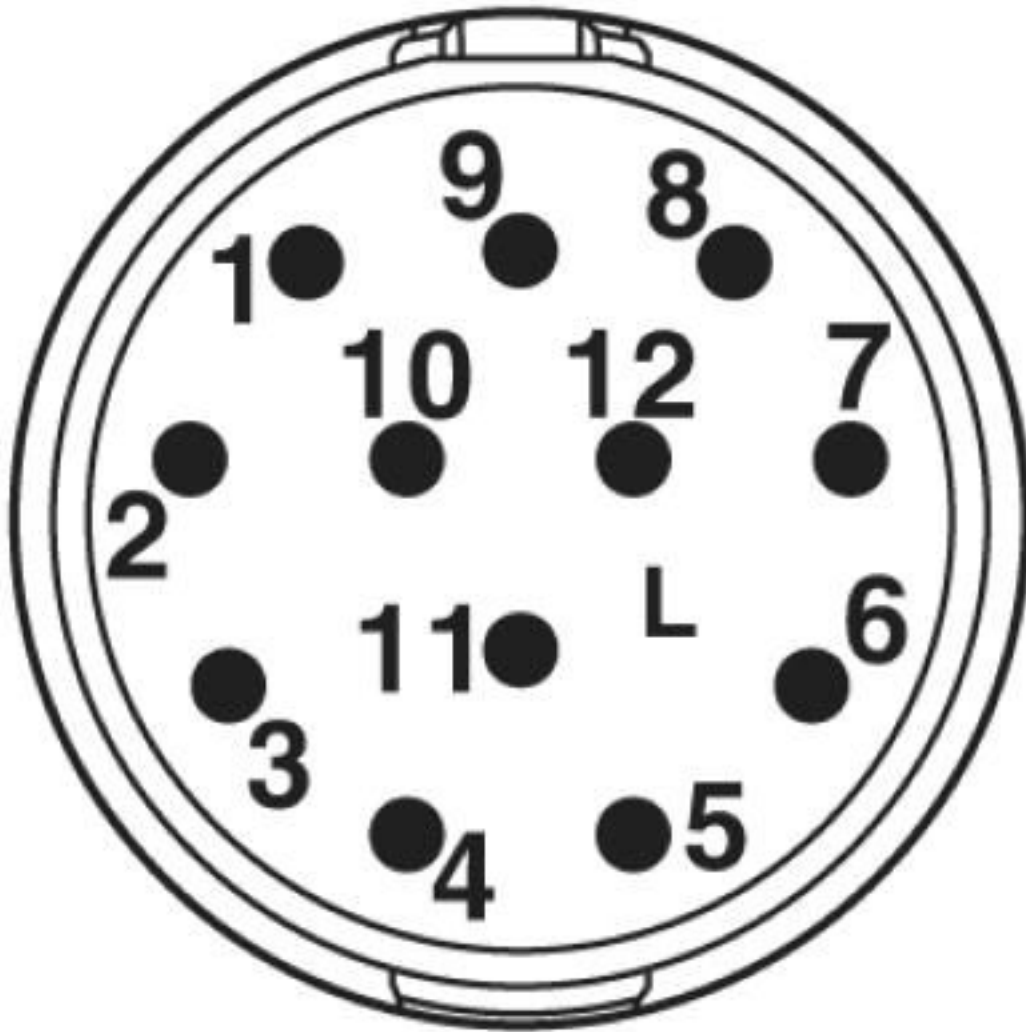
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Dimensional drawing



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Schematic diagram



Contact chamber numbering (view of plug-in side), pin counter direction

### Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700

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## Classifications

### eCl@ss

eCl@ss 6.0	27260700
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eCl@ss 8.0	27440102
eCl@ss 9.0	27440102

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002635
ETIM 5.0	EC002635
ETIM 6.0	EC002061

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

## Approvals

### Approvals

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Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

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Ex Approvals

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Approval details

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## Approvals

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>	E335019-20141210
Nominal voltage UN		150 V	
Nominal current IN		8 A	
mm <sup>2</sup> /AWG/kcmil		18	

cUL 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>	E335019-20141210
Nominal voltage UN		150 V	
Nominal current IN		6 A	
mm <sup>2</sup> /AWG/kcmil		18	

EAC		B.01687
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cULus Recognized	
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## Accessories

### Accessories

#### Crimp contact

Crimp contact - SF-6CP2000 - 1605559



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 - SF-10KP004 - 1607355



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm<sup>2</sup> ... 0.5 mm<sup>2</sup>

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Crimp contact - SF-6AP2000 - 1605554



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.25 mm<sup>2</sup> ... 1 mm<sup>2</sup>

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### Mounting material

Color-coding - RF-Z0014 - 1620588



Color-coding, color: green

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Color-coding - RF-Z0015 - 1620592



Color-coding, color: orange

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Color-coding - RF-Z0016 - 1620593



Color-coding, color: black

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### Accessories

#### Protective cover

Protective cap - SF-Z0019 - 1607449



Plastic protection cap, with eye, IP40 for connectors with M23 external thread, RF, SF series

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Protective cap - RC-Z2059 - 1604225



Plastic protection cap for connectors with M23 external thread

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Plastic anti-static dust protection cap - RC-Z2469 - 1611797



Plastic protection cap, antistatic, for RF, SF, CA, RC series connectors, with M23 external thread

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Metal protective cap - RC-Z2104 - 1604260



Metal protection cap for signal connectors with M23 external thread

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Metal protective cap - RC-Z2068 - 1604236



Metal protection cap with steel wire for signal connectors with M23 external thread

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