PHŒNIX CONTACT

Coupler connector - CA-09P1N8A9006 - 1620134

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Coupling connector, CA, straight, shielded: yes, for standard and SPEEDCON interlock, M23, No. of pos.: 8+1, type of contact: Pin, Crimp connection, cable diameter range: 4 mm ... 6 mm

The figure shows the 6-pos. product version with solder contacts

Your advantages

☑ Safe use in the field, thanks to high degree of protection

☑ Connector for flexible on-site assembly

☑ Consistent EMC protection for reliable transmission of signals

☑ Crimping connection: vibration- and temperature-resistant assembly

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356819107
Custom tariff number	85366990
Country of origin	Germany

Technical data

Temperature range

Ambient temperature (operation)	-40 °C ... 125 °C

Data of the insulating body

Note	Order information: Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately
Coding	N

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Technical data

Data of the insulating body

Insulator material	PA 6.6
Contact connection method	Crimp connection
Type of contacts	Pin
Application	Signal
Number of positions	9
Direction of rotation	Standard
Contact diameter of power contacts	2 mm
Litz wire cross section of power contacts min.	1 mm²
Litz wire cross section of power contacts max.	2.5 mm²
Rated current for power contacts	20 A
Rated voltage of power contact	300 V
Rated surge voltage	2.5 kV
Overvoltage category	II
Degree of pollution	3
Contact diameter of signal contacts	1 mm
Litz wire cross section of signal contacts min.	0.08 mm²
Litz wire cross section of signal contacts max.	1 mm²
Nominal current per signal contact	8 A
Rated voltage of signal contact	300 V
Rated surge voltage	2.5 kV
Overvoltage category	II
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	4 mm ... 6 mm
Sealing material	NBR

Environmental Product Compliance

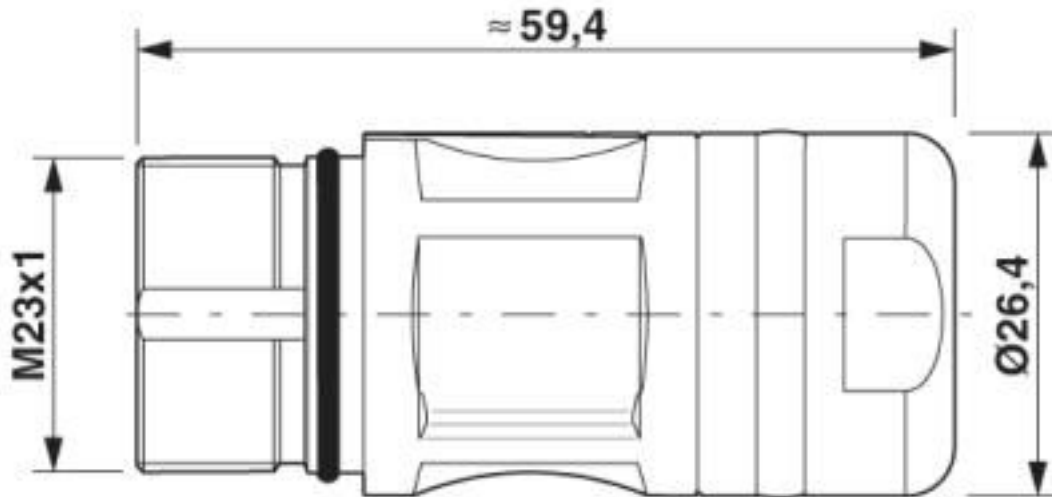|	
REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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Drawings

Schematic diagram

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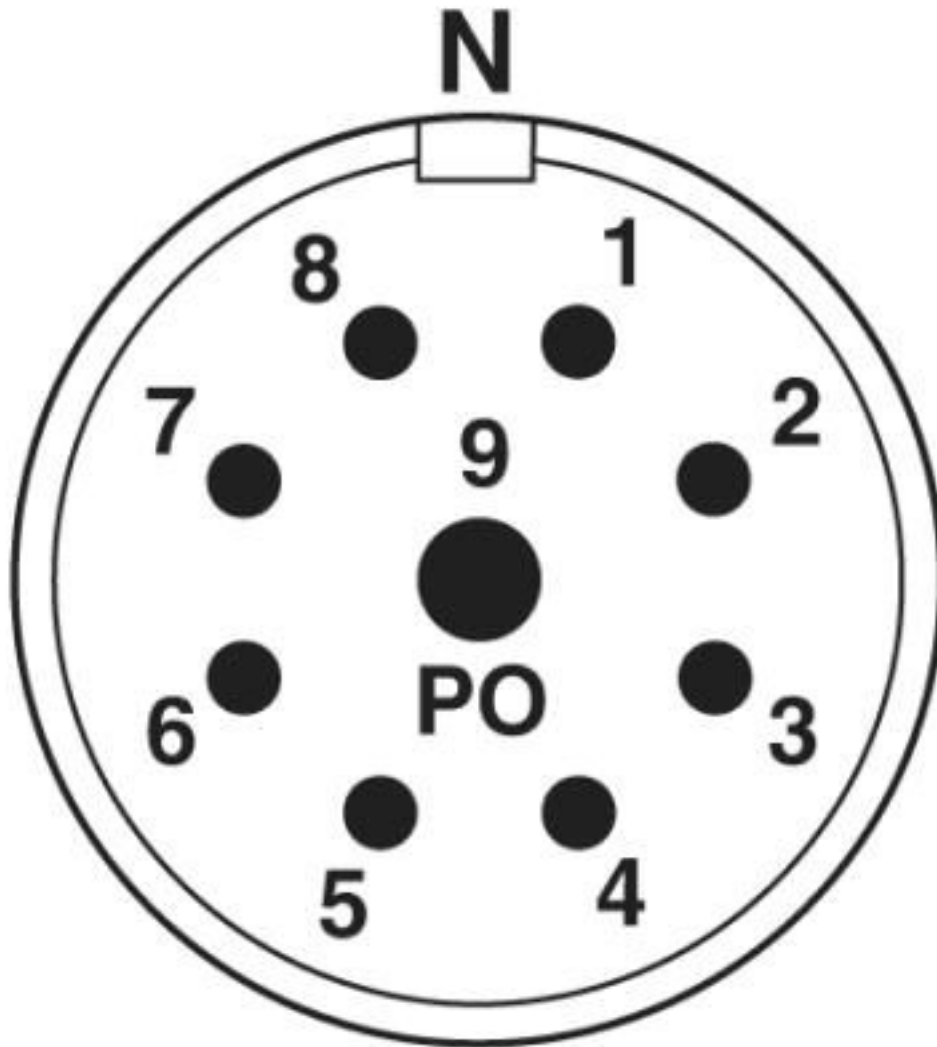
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Dimensional drawing

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
eCl@ss 6.0	27260700
eCl@ss 7.0	27440102
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

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Classifications

UNSPSC

UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E335019-20141210
Nominal voltage UN		300 V	
Nominal current IN		6 A	
mm²/AWG/kcmil		20	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E335019-20141210
Nominal voltage UN		300 V	
Nominal current IN		4 A	
mm²/AWG/kcmil		20	

EAC		B.01687

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Approvals

cULus Recognized

Accessories

Accessories

Crimp contact

Crimp contact - RC-5CP2000 - 1603513

Crimp contact, turned, contact diameter: 2 mm, crimp range: 1 mm² ... 1.5 mm²

Crimp contact - RC-5AP2000 - 1603505

Crimp contact, turned, contact diameter: 2 mm, crimp range: 1.5 mm² ... 2.5 mm²

Crimp contact - RC-5SP2000 - 1603529

Crimp contact, turned, contact diameter: 2 mm, crimp range: 0.5 mm² ... 0.75 mm²

Crimp contact - RC-12P2000 - 1597862

Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm² ... 0.56 mm²

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Accessories

Crimp contact - RC-11P2000 - 1596770

Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm² ... 0.22 mm²

Crimp contact - RC-1KP2000 - 1602996

Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm² ... 1 mm²

Crimp contact - RC-22P2400 - 1603325

Crimp contact, rolled, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm²

Crimp contact - RC-22P2000 - 1603321

Crimp contact, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm²

Crimp contact - RC-22P2300 - 1603324

Crimp contact, rolled, Taped articles, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm²

Mounting material

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Accessories

Color-coding - RF-Z0014 - 1620588

Color-coding, color: green

Color-coding - RF-Z0015 - 1620592

Color-coding, color: orange

Color-coding - RF-Z0016 - 1620593

Color-coding, color: black

Special wrench - RF-Z0007 - 1614347

Special wrench

Square mounting flange - RF-Z0003 - 1607905

Square mounting flange, Axial seal, 4xM3, flange dimensions: 35 mm x 35 mm

Protective cover

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Accessories

Protective cap - SF-Z0019 - 1607449

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

Protective cap - RC-Z2059 - 1604225

Plastic protection cap for connectors with M23 external thread

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

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

Metal protective cap - RC-Z2104 - 1604260

Metal protection cap for signal connectors with M23 external thread

Metal protective cap - RC-Z2068 - 1604236

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