

## Coupler connector - CA-06P1N8A90DN - 1620169

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Coupling connector, CA, straight, shielded: yes, for standard and SPEEDCON interlock, M23, No. of pos.: 6, type of contact: Pin, Crimp connection, cable diameter range: 3 mm ... 14.5 mm

The figure shows the 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



### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356818766

### Technical data

#### Temperature range

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

Note	Order information: Order crimp contacts 6 x Ø 2 mm separately
Coding	N
Insulator material	PA 6.6
Contact connection method	Crimp connection
Type of contacts	Pin
Application	Signal
Number of positions	6
Direction of rotation	Standard
Contact diameter of signal contacts	2 mm

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### Technical data

#### Data of the insulating body

Litz wire cross section of signal contacts min.	1 mm <sup>2</sup>
Litz wire cross section of signal contacts max.	2.5 mm <sup>2</sup>
Nominal current per signal contact	20 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	3 mm ... 14.5 mm
Sealing material	NBR

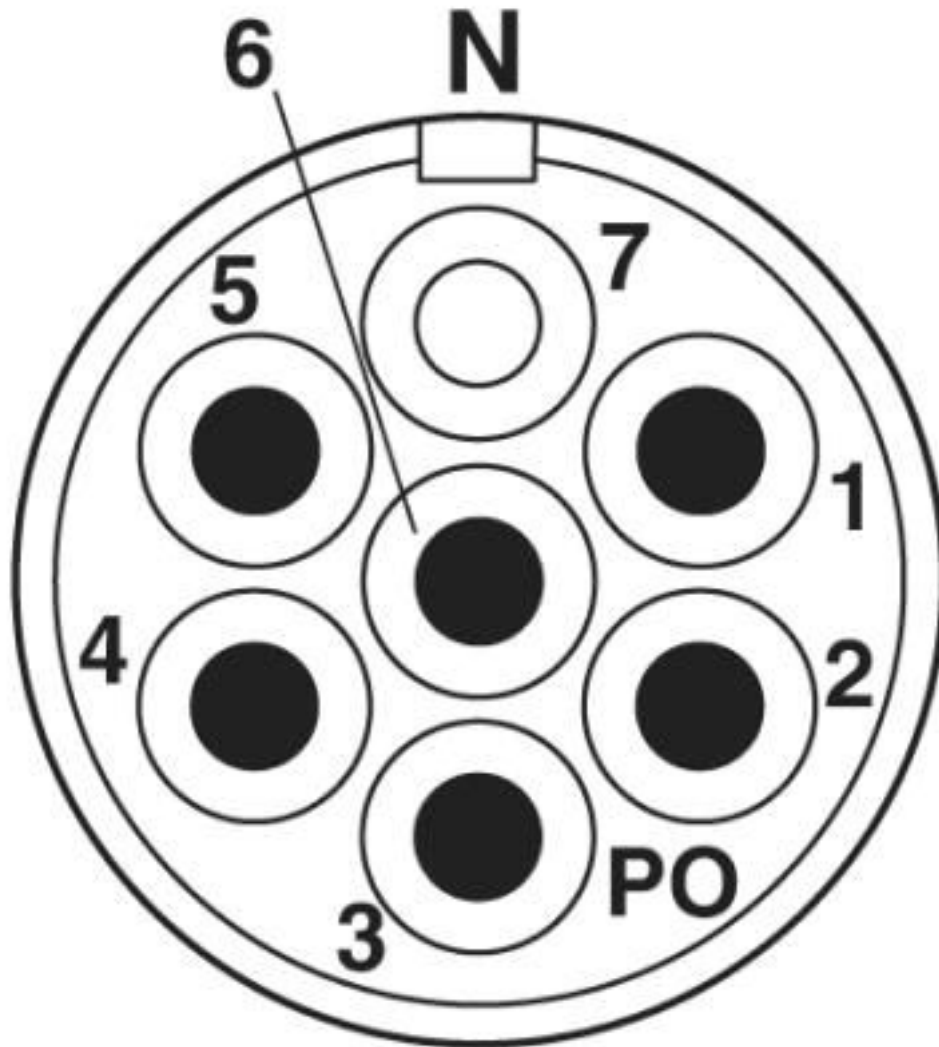
#### Environmental Product Compliance

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"

### Drawings

# Coupler connector - CA-06P1N8A90DN - 1620169

Schematic diagram



# Coupler connector - CA-06P1N8A90DN - 1620169

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
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413

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## Classifications

### UNSPSC

UNSPSC 21.0	39121413
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## Approvals

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UL Recognized / cUL Recognized / EAC / cULus Recognized

### Ex Approvals

## Approval details

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	300 V	
Nominal current IN	17 A	
mm <sup>2</sup> /AWG/kcmil	14	

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	300 V	
Nominal current IN	10 A	
mm <sup>2</sup> /AWG/kcmil	14	

EAC		B.01687
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cULus Recognized	
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## Accessories

### Accessories

Crimp contact

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### Accessories

Crimp contact - RC-5AP2000 - 1603505



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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Crimp contact - RC-5CP2000 - 1603513



Crimp contact, turned, contact diameter: 2 mm, crimp range: 1 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>

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Crimp contact - RC-5SP2000 - 1603529



Crimp contact, turned, contact diameter: 2 mm, crimp range: 0.5 mm<sup>2</sup> ... 0.75 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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### Accessories

Color-coding - RF-Z0016 - 1620593



Color-coding, color: black

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Special wrench - RF-Z0007 - 1614347



Special wrench

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Square mounting flange - RF-Z0003 - 1607905



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

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### 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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### Accessories

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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