

# Coupler connector - CA-1RS1N8A9006 - 1624009

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Coupler connector, CA, straight, shielded: yes, for standard and SPEEDCON interlock, M23, No. of pos.: 16+2+FE, type of contact: Socket, Crimp connection, cable diameter range: 4 mm ... 6 mm, coding:N

## 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	4055626228365

## Technical data

### Data of the insulating body

Note	Order information: Order crimp contacts 16 x Ø 1 mm, 3 x Ø 1.5 mm separately
Coding	N
Insulator material	PA 6.6
Contact connection method	Crimp connection
Type of contacts	Socket
Application	Signal
Number of positions	19
Direction of rotation	Standard
Contact diameter of power contacts	1.5 mm
Litz wire cross section of power contacts min.	0.08 mm <sup>2</sup>
Litz wire cross section of power contacts max.	1 mm <sup>2</sup>

# Coupler connector - CA-1RS1N8A9006 - 1624009

## Technical data

### Data of the insulating body

Rated current for power contacts	10 A
Note	for max. connection cross section
Rated voltage	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Contact diameter of signal contacts	1 mm
Litz wire cross section of signal contacts min.	0.08 mm <sup>2</sup>
Litz wire cross section of signal contacts max.	1 mm <sup>2</sup>
Nominal current per signal contact	8 A
Note	for max. connection cross section
Rated voltage of signal contact	48 V AC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Note	for max. connection cross section

### 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

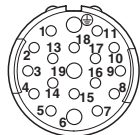
### Environmental Product Compliance

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"

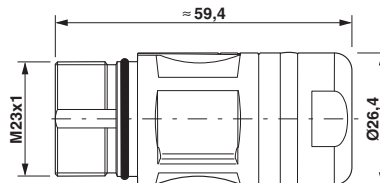
## Drawings

# Coupler connector - CA-1RS1N8A9006 - 1624009

Schematic diagram



Dimensional drawing



## Classifications

### eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 11.0	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 9.0	27440102

### ETIM

ETIM 6.0	EC002061
----------	----------

### UNSPSC

UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / cULus Recognized

#### Ex Approvals

### Approval details

# Coupler connector - CA-1RS1N8A9006 - 1624009

## 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		48 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		48 V
Nominal current IN		5 A
mm <sup>2</sup> /AWG/kcmil		18

cULus Recognized	
------------------	--

## Accessories

### Accessories

#### Crimp contact

Crimp contact - RC-11S2000 - 1596772



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>

Crimp contact - RC-12S2000 - 1599600



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>

## Coupler connector - CA-1RS1N8A9006 - 1624009

### Accessories

Crimp contact - RC-1KS2000 - 1602998



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

---

Crimp contact - RC-15S2200 - 1627290



Crimp contact, turned, contact diameter: 1.5 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>

---

Crimp contact - RC-15S2000 - 1623775



Crimp contact, turned, contact diameter: 1.5 mm, crimp range: 0.5 mm<sup>2</sup> ... 1 mm<sup>2</sup>

---

### Mounting material

Color-coding - RF-Z0015 - 1620592



Color-coding, color: orange

---

Color-coding - RF-Z0016 - 1620593



Color-coding, color: black

---

## Coupler connector - CA-1RS1N8A9006 - 1624009

### Accessories

Color-coding - RF-Z0014 - 1620588



Color-coding, color: green

---

Square mounting flange - RF-Z0003 - 1607905



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

---

Special wrench - RF-Z0007 - 1614347



Special wrench

---

Protective cover

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

## Coupler connector - CA-1RS1N8A9006 - 1624009

### 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

---

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

---

Phoenix Contact 2021 © - all rights reserved  
<http://www.phoenixcontact.com>

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