

Coupler connector - CA-1RP1N8A90DN - 1624010

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>)



Coupling connector, CA, straight, shielded: yes, for standard and SPEEDCON interlock, M23, No. of pos.: 16+2+PE, type of contact: Pin, Crimp connection, cable diameter range: 3 mm ... 14.5 mm

Similar to figure, please order crimp contacts separately

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	4055626227849

Technical data

Data of the insulating body

Note	Order information: Order crimp contacts 16 x Ø 1 mm, 2 x Ø 1.5 mm, 1 x Ø 1.5 (PE, first) separately
Coding	N
Insulator material	PA 6.6
Contact connection method	Crimp connection
Type of contacts	Pin
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 ²

Coupler connector - CA-1RP1N8A90DN - 1624010

Technical data

Data of the insulating body

Litz wire cross section of power contacts max.	1 mm ²
Rated current for power contacts	10 A
Note	for max. connection cross section
Rated voltage of power contact	150 V
Rated surge voltage	1.5 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 mm ²
Litz wire cross section of signal contacts max.	1 mm ²
Nominal current per signal contact	8 A
Rated voltage of signal contact	150 V
Rated surge voltage	1.5 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

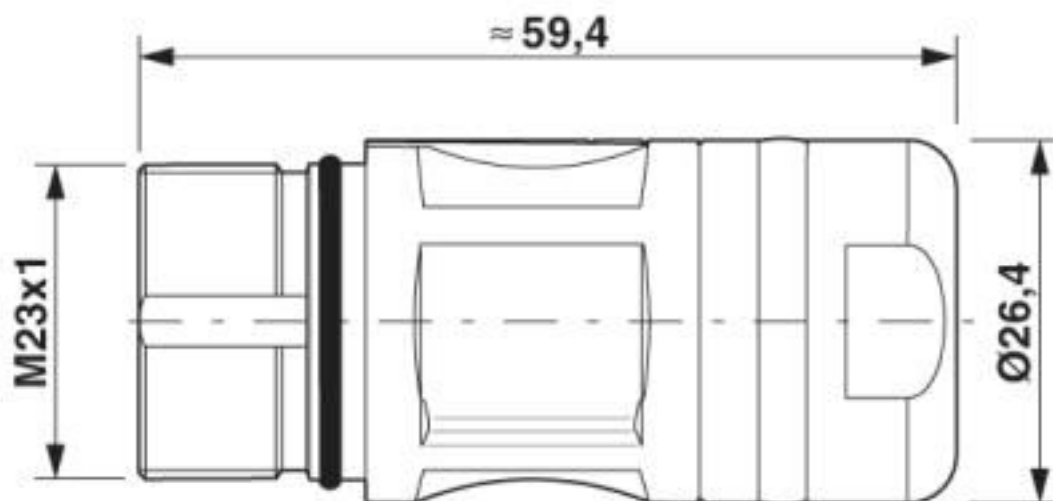
Environmental Product Compliance

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

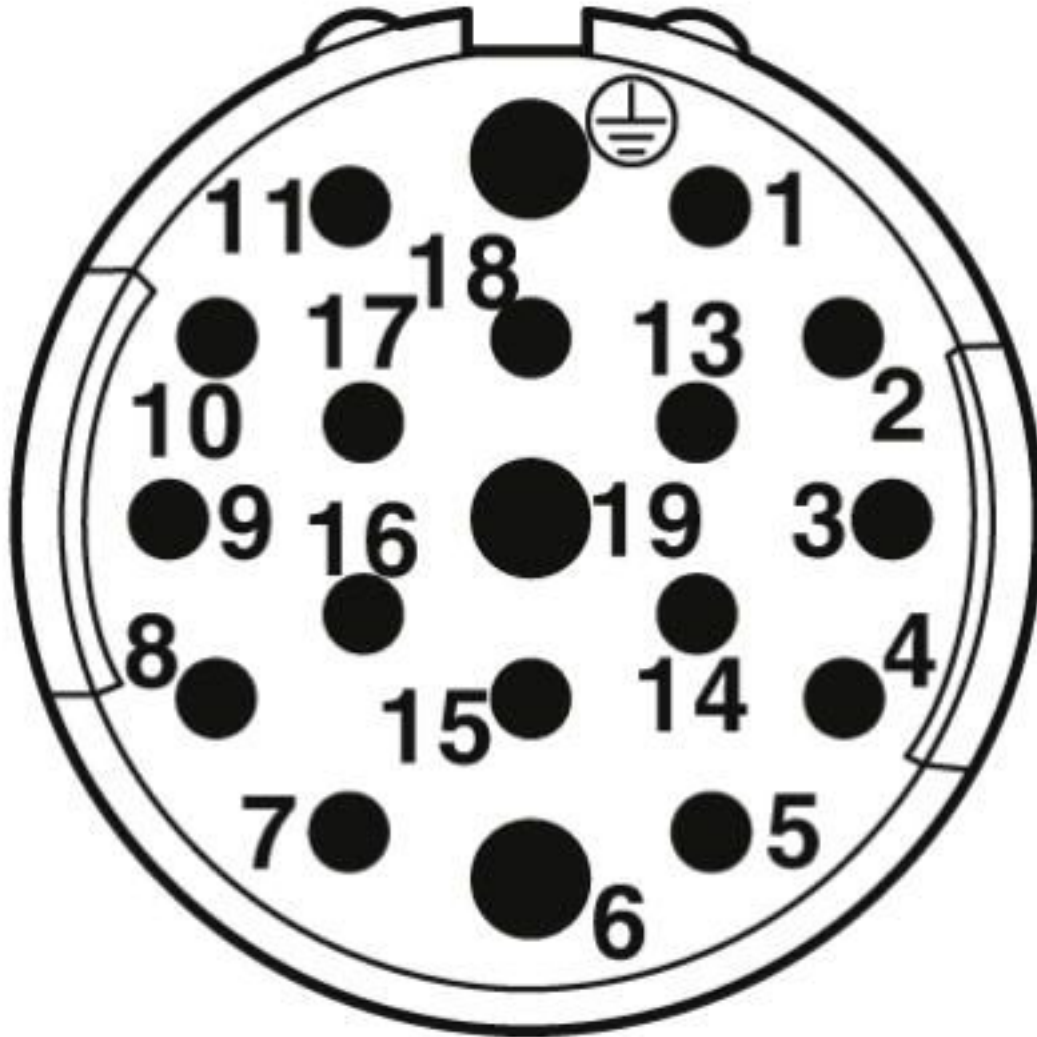
Coupler connector - CA-1RP1N8A90DN - 1624010

Dimensional drawing



Coupler connector - CA-1RP1N8A90DN - 1624010

Schematic diagram



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

Coupler connector - CA-1RP1N8A90DN - 1624010

Classifications

ETIM

ETIM 5.0	EC002635
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 / 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	150 V	
Nominal current IN	8 A	
mm ² /AWG/kcmil	18	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E335019-20141210
Nominal voltage UN	150 V	
Nominal current IN	5 A	
mm ² /AWG/kcmil	18	

EAC		B.01687
-----	---	---------

Coupler connector - CA-1RP1N8A90DN - 1624010

Approvals

cULus Recognized



Accessories

Accessories

Crimp contact

Crimp contact - RC-15P2010 - 1623776



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

Crimp contact - RC-15P2020 - 1623777



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

Crimp contact - RC-15P2030 - 1623778



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

Crimp contact - RC-15P2200 - 1627292



Crimp contact, turned, contact diameter: 1.5 mm, crimp range: 0.08 mm² ... 0.22 mm²

Coupler connector - CA-1RP1N8A90DN - 1624010

Accessories

Crimp contact - RC-15P2300 - 1627291



Crimp contact, turned, contact diameter: 1.5 mm, crimp range: 0.14 mm² ... 0.56 mm²

Crimp contact - RC-15P2000 - 1623779



Crimp contact, turned, contact diameter: 1.5 mm, crimp range: 0.5 mm² ... 1 mm²

Crimp contact - RC-15P2100 - 1623780



Crimp contact, leading (PE), turned, contact diameter: 1.5 mm, crimp range: 0.5 mm² ... 1 mm²

Mounting material

Color-coding - RF-Z0016 - 1620593



Color-coding, color: black

Color-coding - RF-Z0014 - 1620588



Color-coding, color: green

Coupler connector - CA-1RP1N8A90DN - 1624010

Accessories

Color-coding - RF-Z0015 - 1620592



Color-coding, color: orange

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-1RP1N8A90DN - 1624010

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 2020 © - 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>

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Circular Metric Connectors](#) category:

Click to view products by [Phoenix Contact](#) manufacturer:

Other Similar products are found below :

[600X518037X](#) [6STD15PCR99B70A](#) [8R4000A16M020](#) [8R5000A16M005](#) [1200910002](#) [1203580030](#) [1200910008](#) [1200910011](#) [1300140094](#)
[130203-0054](#) [1300140026](#) [1300150099](#) [RF-12S1N8A90DU](#) [1-3637-600-5205](#) [1612618](#) [21036836414](#) [8R4006A16M010](#) [8R5006A18A120](#)
[1604232](#) [1R3006A20M005](#) [RF-12P1N8A80DU](#) [RF-12P1N8A90DU](#) [41-40011](#) [42-01015](#) [4-22279-4](#) [4-22281-1](#) [4-22284-9](#) [43-00113](#) [43-](#)
[01088](#) [43-01203](#) [41-40013](#) [42-00008](#) [43-00343](#) [43-01032](#) [43-01162](#) [43-10000](#) [600X518050X](#) [SACC-DSI-FS-5P-PG9-L180 SC](#)
[8R5006A16M020](#) [8R5006A16M005](#) [8R4000A16M010](#) [6-22279-3](#) [1605332](#) [N03FA03144](#) [1300140077](#) [43-01338](#) [XS2RD4265](#) [XS2R-](#)
[D426-1](#) [XS8A-0441](#) [859RD04-103R004](#)