

CA-1RP1N8AT0DNS - Cable connector



1624084

<https://www.phoenixcontact.com/us/products/1624084>

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 documentation. Our general terms of use for downloads are valid.

M23, Cable connector, series: CA, angled, shielded: yes, SPEEDCON, No. of pos.: 16+2+FE, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 3 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245094



Your advantages

- Angled cable outlet for confined spaces
- Can be adapted to various applications, thanks to adjustable cable outlet direction
- 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
- Reduced connection time with SPEEDCON fast locking system
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

Item number	1624084
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB33
Product key	ABRAED
Catalog page	Page 91 (C-2-2019)
GTIN	4055626230740
Weight per piece (including packing)	189.1 g
Weight per piece (excluding packing)	189.1 g
Customs tariff number	85366990
Country of origin	DE

CA-1RP1N8AT0DNS - Cable connector



1624084

<https://www.phoenixcontact.com/us/products/1624084>

Technical data

Notes

General	Order crimp contacts 16 x Ø 1 mm, 2 x Ø 1.5 mm, 1 x Ø 1.5 (PE) separately
---------	---

Product properties

Product type	Circular connector (cable-side)
--------------	---------------------------------

Connector

Insulating body

Note	Order information: Order crimp contacts 16x Ø 1 mm, 2x Ø 1.5 mm, 1x Ø 1.5 mm (FE, first) separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+2+FE
Contact diameter Power contacts	1.5 mm
Litz wire cross-section Power contacts min.	0.08 mm ²
Litz wire cross-section Power contacts max.	1 mm ²
Rated current 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 Signal contacts	1 mm
Litz wire cross-section Signal contacts min.	0.08 mm ²
Litz wire cross-section Signal contacts max.	1 mm ²
Nominal current per signal contact	8 A
Rated voltage Signal contact	48 V AC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

Housing

CA-1RP1N8AT0DNS - Cable connector



1624084

<https://www.phoenixcontact.com/us/products/1624084>

Housing material	Metal
Type of locking	SPEEDCON
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

Seal

External cable diameter	3 mm ... 14.5 mm
Seal material	NBR

CA-1RP1N8AT0DNS - Cable connector

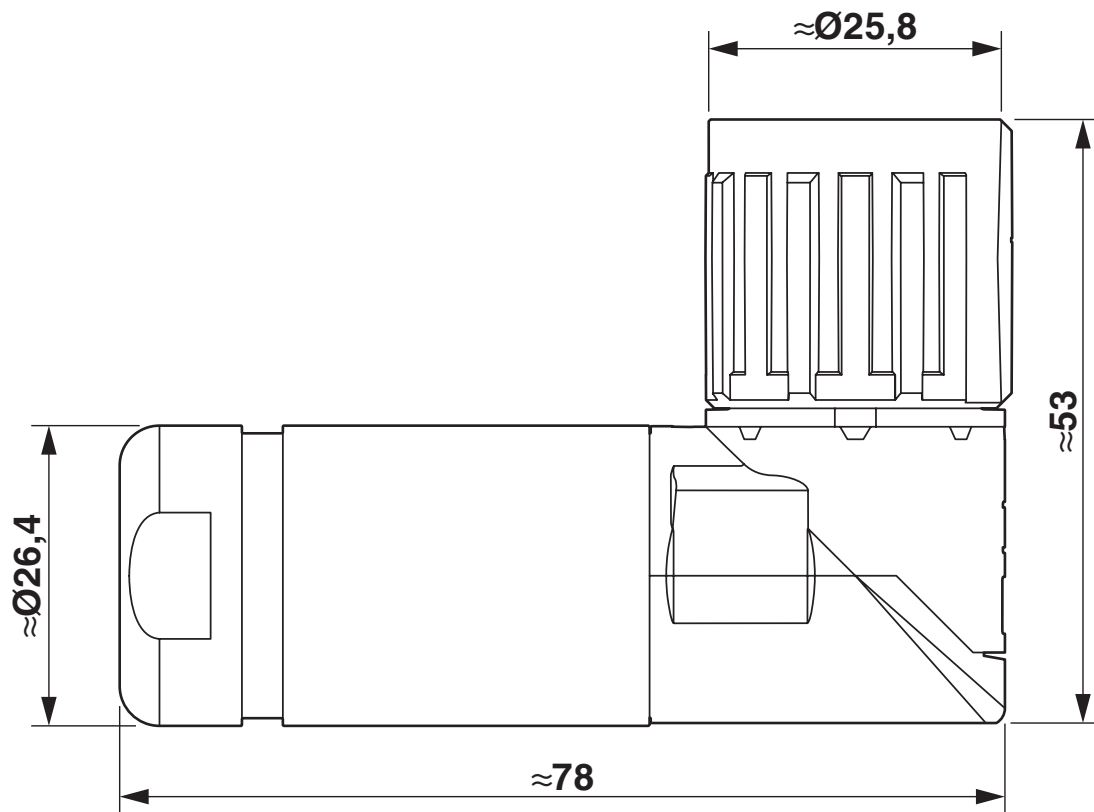
1624084

<https://www.phoenixcontact.com/us/products/1624084>



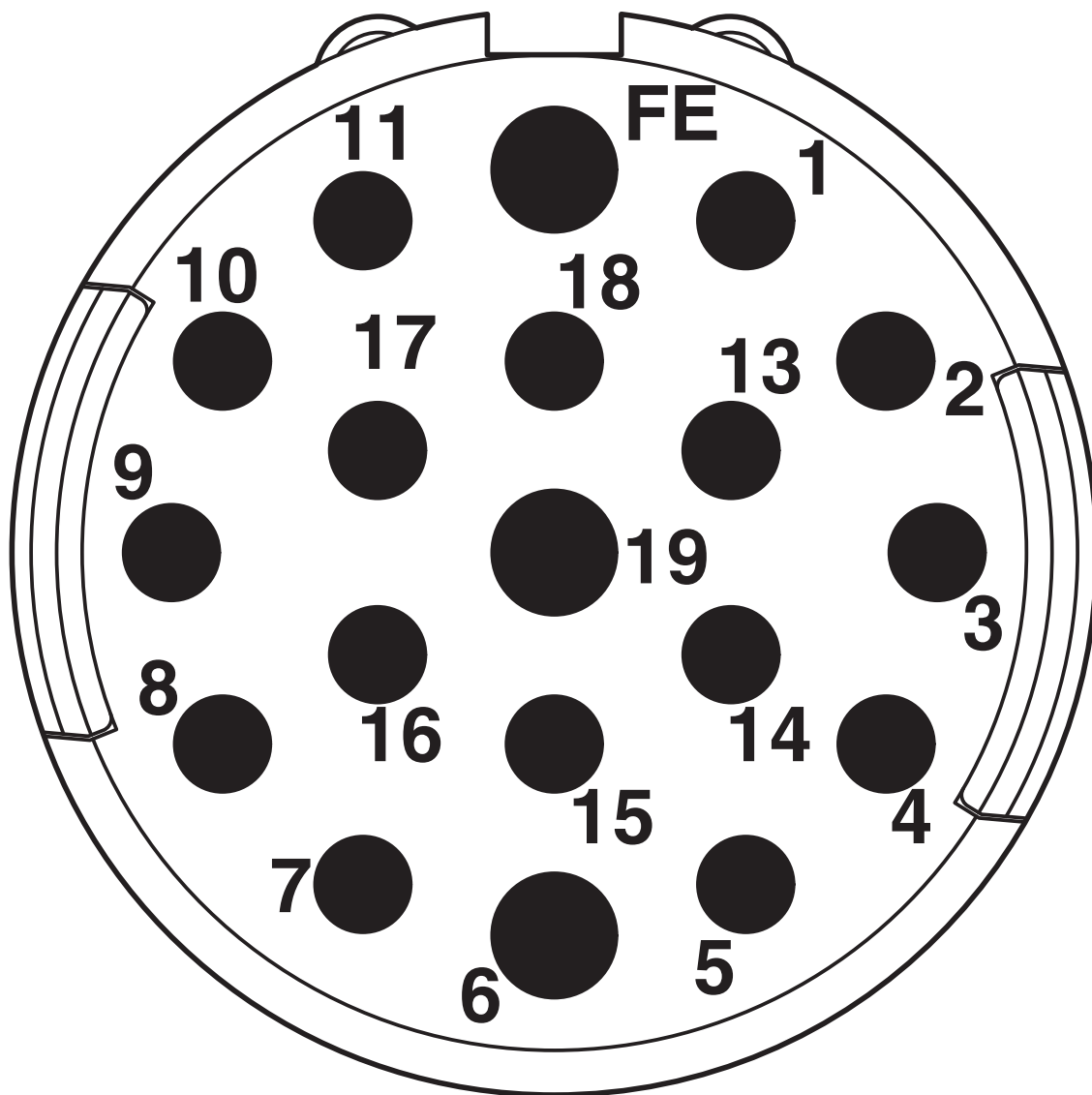
Drawings

Dimensional drawing



Dimensional drawing

Schematic diagram



Connector pin assignment

CA-1RP1N8AT0DNS - Cable connector



1624084

<https://www.phoenixcontact.com/us/products/1624084>

Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 8.0	EC002635
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

CA-1RP1N8AT0DNS - Cable connector



1624084

<https://www.phoenixcontact.com/us/products/1624084>

Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

CA-1RP1N8AT0DNS - Cable connector



1624084

<https://www.phoenixcontact.com/us/products/1624084>

Accessories

RC-15P2010 - Crimp contact

1623776

<https://www.phoenixcontact.com/us/products/1623776>



Crimp contact, Pin, turned, contact diameter: 1 mm, crimp range: 0.08 mm² ... 0.22 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244971

RC-15P2020 - Crimp contact

1623777

<https://www.phoenixcontact.com/us/products/1623777>



Crimp contact, Pin, turned, contact diameter: 1 mm, crimp range: 0.14 mm² ... 0.56 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244971

CA-1RP1N8AT0DNS - Cable connector



1624084

<https://www.phoenixcontact.com/us/products/1624084>

RC-15P2030 - Crimp contact

1623778

<https://www.phoenixcontact.com/us/products/1623778>



Crimp contact, Pin, turned, contact diameter: 1 mm, crimp range: 0.5 mm² ... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244972

RC-15P2200 - Crimp contact

1627292

<https://www.phoenixcontact.com/us/products/1627292>



Crimp contact, Pin, turned, contact diameter: 1.5 mm, crimp range: 0.08 mm² ... 0.22 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245475

CA-1RP1N8AT0DNS - Cable connector



1624084

<https://www.phoenixcontact.com/us/products/1624084>

RC-15P2300 - Crimp contact

1627291

<https://www.phoenixcontact.com/us/products/1627291>



Crimp contact, Pin, turned, contact diameter: 1.5 mm, crimp range: 0.14 mm² ... 0.56 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245475

RC-15P2000 - Crimp contact

1623779

<https://www.phoenixcontact.com/us/products/1623779>



Crimp contact, Pin, turned, contact diameter: 1.5 mm, crimp range: 0.5 mm² ... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244973

CA-1RP1N8AT0DNS - Cable connector

1624084

<https://www.phoenixcontact.com/us/products/1624084>



RC-15P2100 - Crimp contact

1623780

<https://www.phoenixcontact.com/us/products/1623780>



Crimp contact, Pin, leading, turned, contact diameter: 1.5 mm, crimp range: 0.5 mm² ... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244974

RC-Z2058 - Protective cap

1604223

<https://www.phoenixcontact.com/us/products/1604223>



Plastic protection cap for connectors with M23 knurled nut

CA-1RP1N8AT0DNS - Cable connector

1624084

<https://www.phoenixcontact.com/us/products/1624084>



RC-Z2468 - Protective cap

1611796

<https://www.phoenixcontact.com/us/products/1611796>

Plastic protection cap, antistatic, for connectors with M23 knurled nut



CA-Z0077 - Metal protective cap

1627224

<https://www.phoenixcontact.com/us/products/1627224>

Metal protective cap, degree of protection: IP67, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245447



CA-1RP1N8AT0DNS - Cable connector



1624084

<https://www.phoenixcontact.com/us/products/1624084>

RF-Z0014 - Color-coding

1620588

<https://www.phoenixcontact.com/us/products/1620588>

Color-coding, color: green



RF-Z0015 - Color-coding

1620592

<https://www.phoenixcontact.com/us/products/1620592>

Color-coding, color: orange



CA-1RP1N8AT0DNS - Cable connector

1624084

<https://www.phoenixcontact.com/us/products/1624084>



RF-Z0016 - Color-coding

1620593

<https://www.phoenixcontact.com/us/products/1620593>

Color-coding, color: black



RF-Z0003 - Square mounting flange

1607905

<https://www.phoenixcontact.com/us/products/1607905>



Square mounting flange, Axial seal, 4xM3, flange dimensions: 35 mm x 35 mm, series: RF, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1242369

CA-1RP1N8AT0DNS - Cable connector

1624084

<https://www.phoenixcontact.com/us/products/1624084>



SF-Z0028 - Torque screwdriver

1607456

<https://www.phoenixcontact.com/us/products/1607456>

Torque screwdriver, series: RC



SF-Z0027 - Hook wrench

1607455

<https://www.phoenixcontact.com/us/products/1607455>

Hook wrench, series: RC



CA-1RP1N8AT0DNS - Cable connector

1624084

<https://www.phoenixcontact.com/us/products/1624084>



RF-Z0007 - Special wrench

1614347

<https://www.phoenixcontact.com/us/products/1614347>

Special wrench, series: RF



Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com