

# CA-1RS1N8AT007 - Cable connector



1624073

<https://www.phoenixcontact.com/us/products/1624073>

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, Screw locking mechanism, No. of pos.: 16+2+FE, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 6 mm ... 10 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245084



## 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
- Crimping connection: vibration- and temperature-resistant assembly

## Commercial data

Item number	1624073
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB33
Product key	ABRAEC
Catalog page	Page 93 (C-2-2019)
GTIN	4055626230641
Weight per piece (including packing)	186.4 g
Weight per piece (excluding packing)	186 g
Customs tariff number	85366990
Country of origin	DE

# CA-1RS1N8AT007 - Cable connector



1624073

<https://www.phoenixcontact.com/us/products/1624073>

## Technical data

### Notes

General	Order crimp contacts 16 x Ø 1 mm, 3 x Ø 1.5 mm separately
---------	---

### Product properties

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

### Connector

#### Insulating body

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

#### Housing

# CA-1RS1N8AT007 - Cable connector



1624073

<https://www.phoenixcontact.com/us/products/1624073>

Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	Screw locking mechanism
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

## Seal

External cable diameter	6 mm ... 10 mm
Seal material	NBR

# CA-1RS1N8AT007 - Cable connector

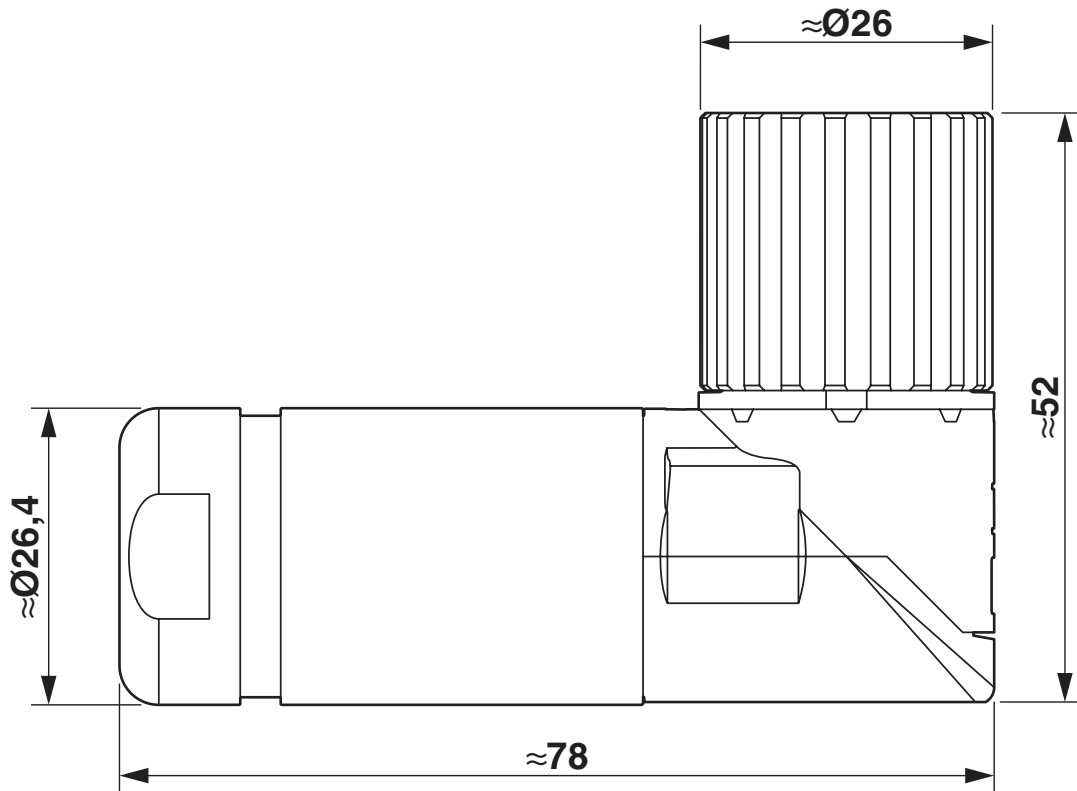


1624073

<https://www.phoenixcontact.com/us/products/1624073>

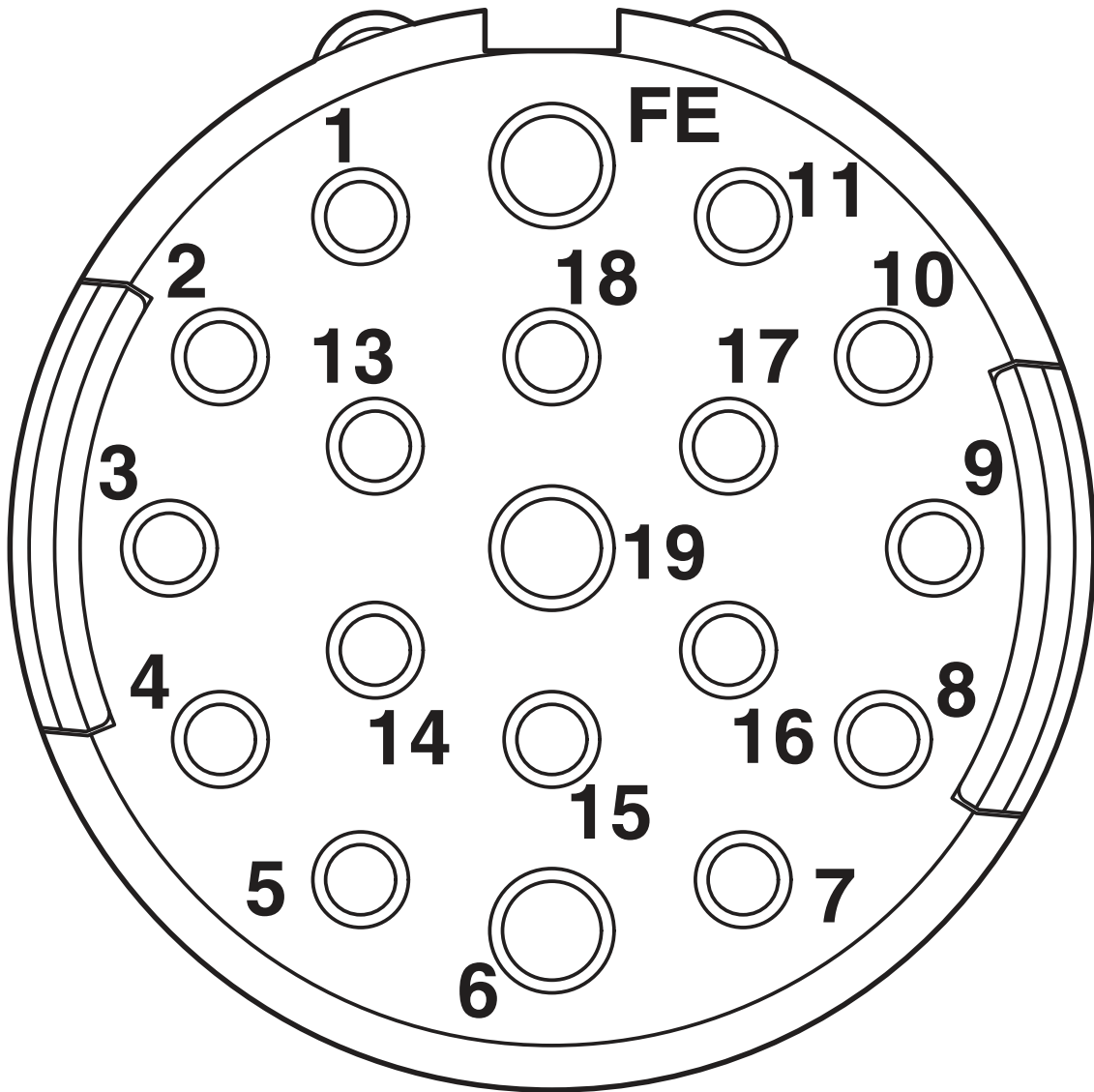
## Drawings

Dimensional drawing



Dimensional drawing

Schematic diagram



Connector pin assignment

# CA-1RS1N8AT007 - Cable connector



1624073

<https://www.phoenixcontact.com/us/products/1624073>

## 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-1RS1N8AT007 - Cable connector



1624073

<https://www.phoenixcontact.com/us/products/1624073>

## 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-1RS1N8AT007 - Cable connector

1624073

<https://www.phoenixcontact.com/us/products/1624073>

## Accessories

### RC-11S2000 - Crimp contact

1596772

<https://www.phoenixcontact.com/us/products/1596772>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241093

---

### RC-12S2000 - Crimp contact

1599600

<https://www.phoenixcontact.com/us/products/1599600>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241093



## CA-1RS1N8AT007 - Cable connector

1624073

<https://www.phoenixcontact.com/us/products/1624073>



### RC-1KS2000 - Crimp contact

1602998

<https://www.phoenixcontact.com/us/products/1602998>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm<sup>2</sup> ... 1 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241572

---

### RC-15S2000 - Crimp contact

1623775

<https://www.phoenixcontact.com/us/products/1623775>



Crimp contact, Socket, turned, contact diameter: 1.5 mm, crimp range: 0.5 mm<sup>2</sup> .. 1 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244969

## CA-1RS1N8AT007 - Cable connector

1624073

<https://www.phoenixcontact.com/us/products/1624073>



## RC-15S2200 - Crimp contact

1627290

<https://www.phoenixcontact.com/us/products/1627290>



Crimp contact, Socket, turned, contact diameter: 1.5 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245474

---

## RC-Z2058 - Protective cap

1604223

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



Plastic protection cap for connectors with M23 knurled nut

## CA-1RS1N8AT007 - Cable connector

1624073

<https://www.phoenixcontact.com/us/products/1624073>



## RC-Z2468 - Protective cap

1611796

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

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



---

## SF-Z0027 - Hook wrench

1607455

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

Hook wrench, series: RC



# CA-1RS1N8AT007 - Cable connector

1624073

<https://www.phoenixcontact.com/us/products/1624073>



## SF-Z0028 - Torque screwdriver

1607456

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



Torque screwdriver, series: RC

---

## 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-1RS1N8AT007 - Cable connector

1624073

<https://www.phoenixcontact.com/us/products/1624073>



## RF-Z0007 - Special wrench

1614347

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

Special wrench, series: RF



---

## RF-Z0014 - Color-coding

1620588

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

Color-coding, color: green



# CA-1RS1N8AT007 - Cable connector

1624073

<https://www.phoenixcontact.com/us/products/1624073>



## RF-Z0015 - Color-coding

1620592

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

Color-coding, color: orange



---

## RF-Z0016 - Color-coding

1620593

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

Color-coding, color: black



---

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](mailto:info@phoenixcon.com)