

CA-1RP1N8AT007 - Cable connector



1624077

<https://www.phoenixcontact.com/pc/products/1624077>

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: Pin, 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.: 1245088

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	1624077
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAEC
Catalog page	Page 93 (C-2-2019)
GTIN	4055626230689
Weight per piece (including packing)	187.7 g
Weight per piece (excluding packing)	187.7 g
Customs tariff number	85366990
Country of origin	DE

CA-1RP1N8AT007 - Cable connector



1624077

<https://www.phoenixcontact.com/pc/products/1624077>

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
Insertion/withdrawal cycles	100
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	II
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
Installation height	2000 m

CA-1RP1N8AT007 - Cable connector



1624077

<https://www.phoenixcontact.com/pc/products/1624077>

Housing

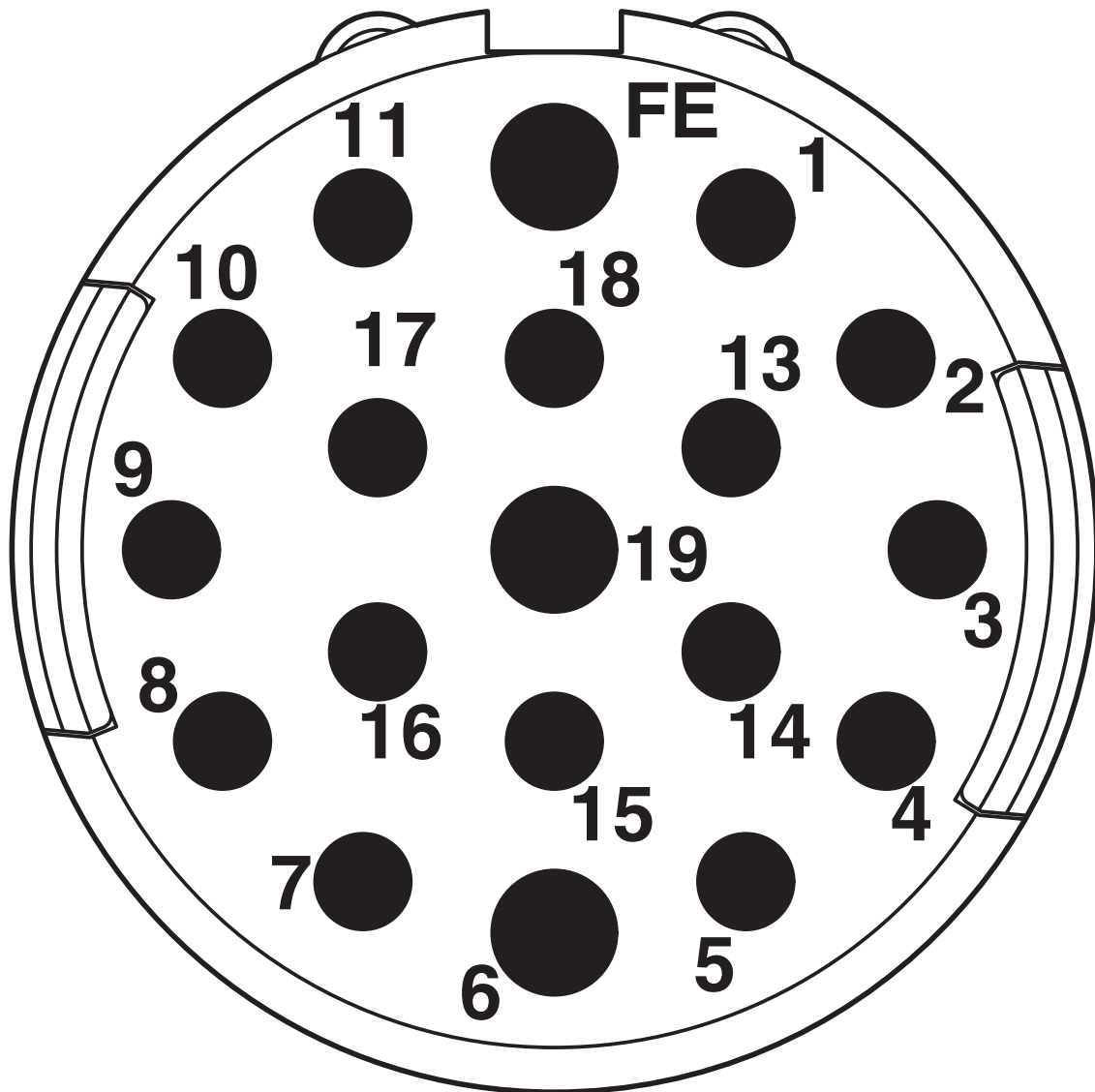
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	Screw locking mechanism
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

Seal

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

Drawings

Schematic diagram



Connector pin assignment

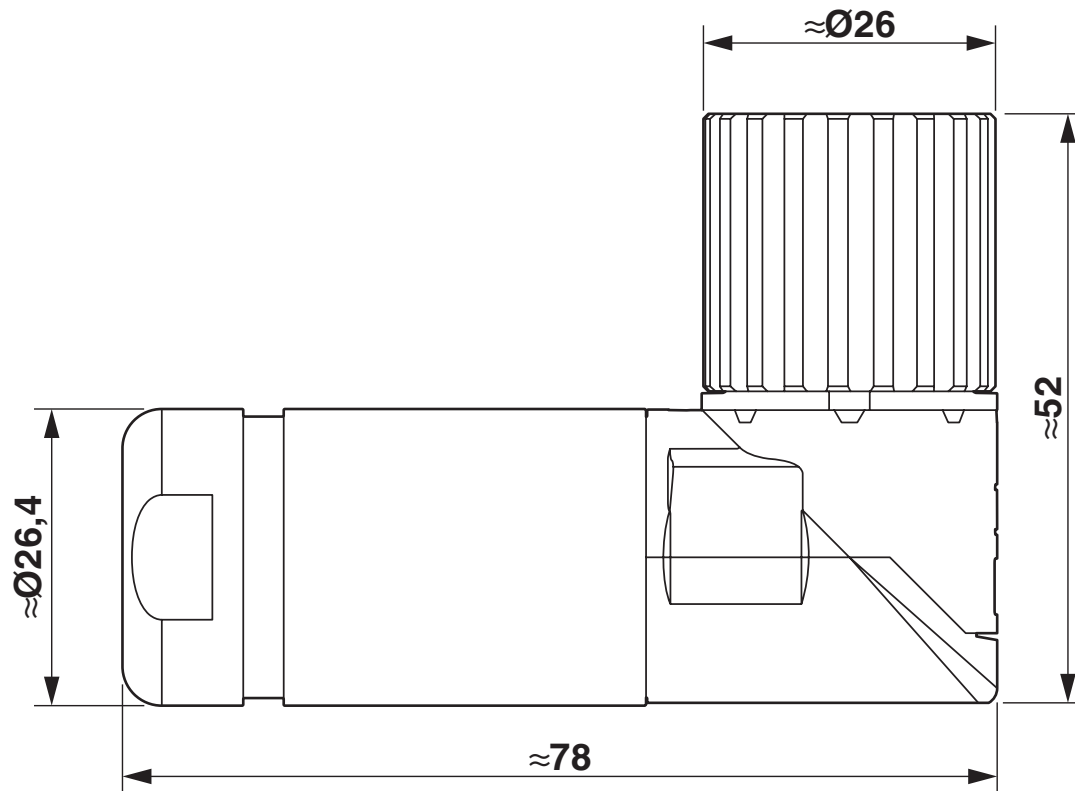
CA-1RP1N8AT007 - Cable connector



1624077

<https://www.phoenixcontact.com/pc/products/1624077>

Dimensional drawing



Dimensional drawing

CA-1RP1N8AT007 - Cable connector



1624077

<https://www.phoenixcontact.com/pc/products/1624077>

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002635
----------	----------

UNSPSC

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

CA-1RP1N8AT007 - Cable connector



1624077

<https://www.phoenixcontact.com/pc/products/1624077>

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-1RP1N8AT007 - Cable connector



1624077

<https://www.phoenixcontact.com/pc/products/1624077>

Accessories

RC-15P2010 - Crimp contact

1623776

<https://www.phoenixcontact.com/pc/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/pc/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-1RP1N8AT007 - Cable connector



1624077

<https://www.phoenixcontact.com/pc/products/1624077>

RC-15P2030 - Crimp contact

1623778

<https://www.phoenixcontact.com/pc/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/pc/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-1RP1N8AT007 - Cable connector



1624077

<https://www.phoenixcontact.com/pc/products/1624077>

RC-15P2300 - Crimp contact

1627291

<https://www.phoenixcontact.com/pc/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/pc/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-1RP1N8AT007 - Cable connector

1624077

<https://www.phoenixcontact.com/pc/products/1624077>



RC-15P2100 - Crimp contact

1623780

<https://www.phoenixcontact.com/pc/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

CA-Z0077 - Metal protective cap

1627224

<https://www.phoenixcontact.com/pc/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-1RP1N8AT007 - Cable connector



1624077

<https://www.phoenixcontact.com/pc/products/1624077>

RF-Z0014 - Color coding

1620588

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

Color coding, color: green



RF-Z0015 - Color coding

1620592

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

Color coding, color: orange



CA-1RP1N8AT007 - Cable connector

1624077

<https://www.phoenixcontact.com/pc/products/1624077>



RF-Z0016 - Color coding

1620593

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

Color coding, color: black



RF-Z0003 - Square mounting flange

1607905

<https://www.phoenixcontact.com/pc/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-1RP1N8AT007 - Cable connector

1624077

<https://www.phoenixcontact.com/pc/products/1624077>



SF-Z0028 - Torque screwdriver

1607456

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

Torque screwdriver, series: RC



SF-Z0027 - Hook wrench

1607455

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

Hook wrench, series: RC



CA-1RP1N8AT007 - Cable connector

1624077

<https://www.phoenixcontact.com/pc/products/1624077>



RF-Z0007 - Special wrench

1614347

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

Special wrench, series: RF



PROT-M23-SG-IT-IP20 - Plastic protective cap

1577206

<https://www.phoenixcontact.com/pc/products/1577206>

Plastic protective cap, M23, degree of protection: IP20, series: CA



Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com