

CA-1RP1N8AT006 - Cable connector



1624076

<https://www.phoenixcontact.com/us/products/1624076>

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: 4 mm ... 6 mm, coding: N, this item is expected to be lead-free from Q2 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

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	1624076
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEC
GTIN	4055626230672
Weight per piece (including packing)	181.012 g
Weight per piece (excluding packing)	181.012 g
Customs tariff number	85366990
Country of origin	DE

CA-1RP1N8AT006 - Cable connector



1624076

<https://www.phoenixcontact.com/us/products/1624076>

Technical data

Notes

Order information:	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	
Material (Insulating body)	PA 6.6	
Flammability rating according to UL 94	V0	
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	
Installation height	2000 m	
Number Contact (Contact group 1)	3	
Diameter Contact (Contact group 1)	1.5 mm	
Litz wire cross-section min. Contact (Contact group 1)	0.08 mm²	
Litz wire cross-section max. Contact (Contact group 1)	1 mm²	
Rated current Contact (Contact group 1)	10 A (for max. connection cross section)	
Rated voltage Contact (Contact group 1)	48 V AC	
	74 V DC	
Rated surge voltage	1.5 kV	
Overvoltage category	II	
Degree of pollution	3	
Number Contact (Contact group 2)	16	
Diameter Contact (Contact group 2)	1 mm	
Litz wire cross-section min. Contact (Contact group 2)	0.08 mm²	
Litz wire cross-section max. Contact (Contact group 2)	1 mm²	
Rated current Contact (Contact group 2)	8 A	
Rated voltage Contact (Contact group 2)	48 V AC	
	48 V AC	
Rated surge voltage	1.5 kV	
Overvoltage category	III	

CA-1RP1N8AT006 - Cable connector



1624076

<https://www.phoenixcontact.com/us/products/1624076>

Degree of pollution	3
---------------------	---

Housing

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

Seal

External cable diameter	4 mm ... 6 mm
Seal material	NBR

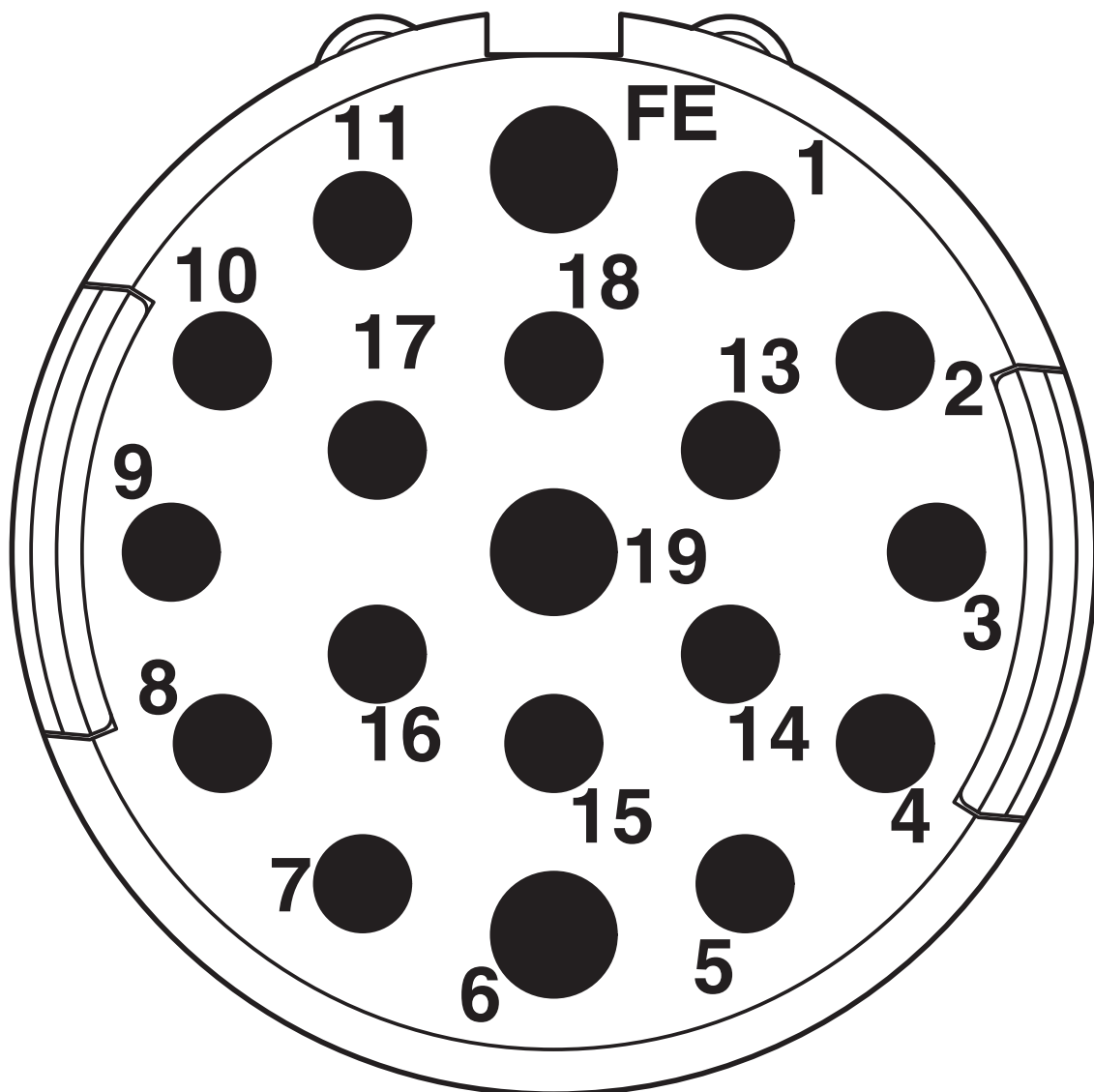
Environmental and real-life conditions

Ambient conditions

Permissible humidity (storage/transport)	50 % ... 65 %
--	---------------

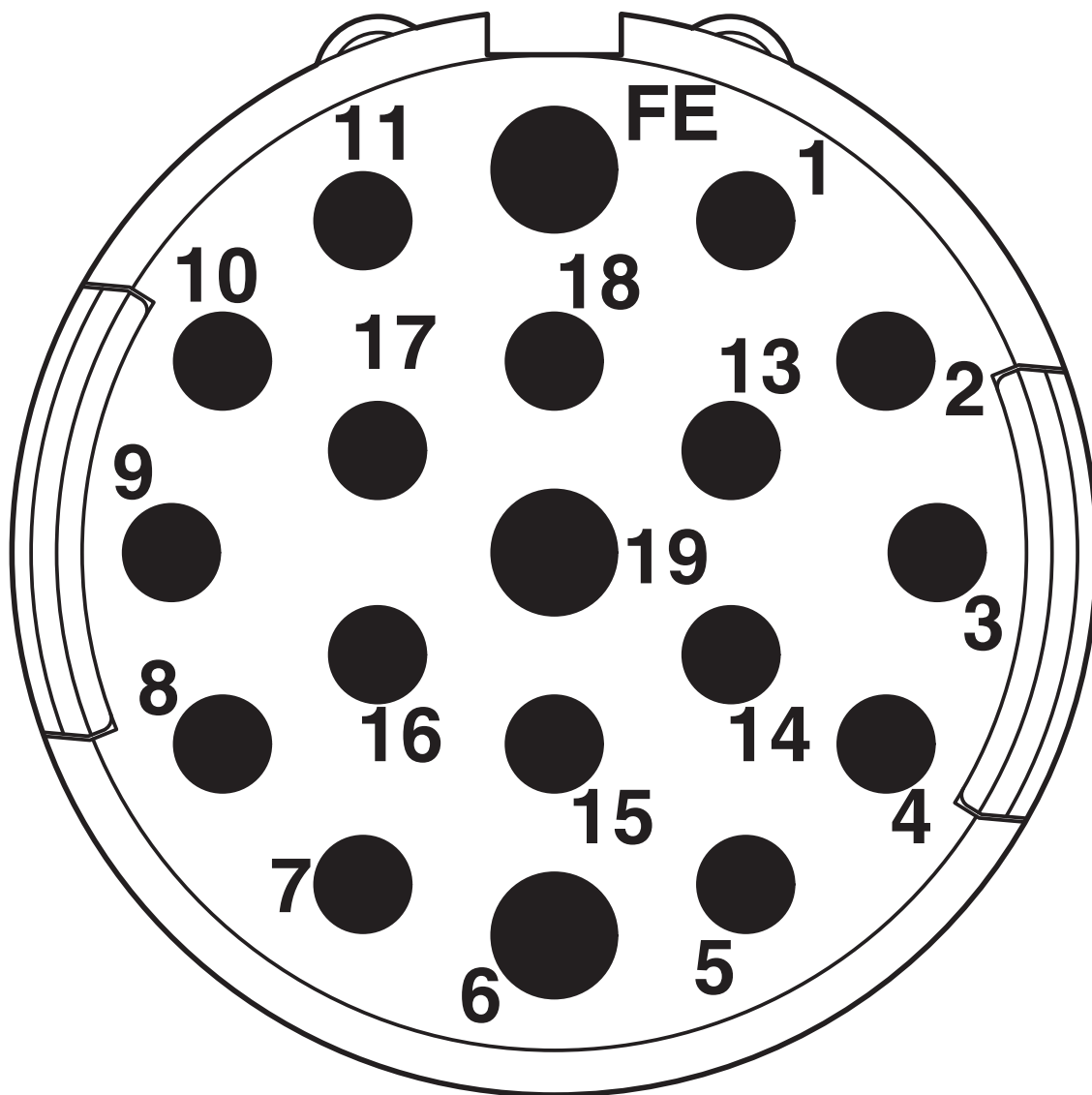
Drawings

Schematic diagram



Connector pin assignment

Schematic diagram



Connector pin assignment

CA-1RP1N8AT006 - Cable connector



1624076

<https://www.phoenixcontact.com/us/products/1624076>

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

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

UNSPSC

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

CA-1RP1N8AT006 - Cable connector



1624076

<https://www.phoenixcontact.com/us/products/1624076>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	e435b3a0-b62a-4a99-8657-0e99e141d6df

Phoenix Contact 2025 © - 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