

CA-1RP1N8AT007 - Cable connector



1624077

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

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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, 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	1624077
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEC
GTIN	4055626230689
Weight per piece (including packing)	187.7 g
Weight per piece (excluding packing)	180.472 g
Customs tariff number	85366990
Country of origin	DE

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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
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Product properties

Product type	Circular connector (cable-side)
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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	

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Degree of pollution	3
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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	6 mm ... 10 mm
Seal material	NBR

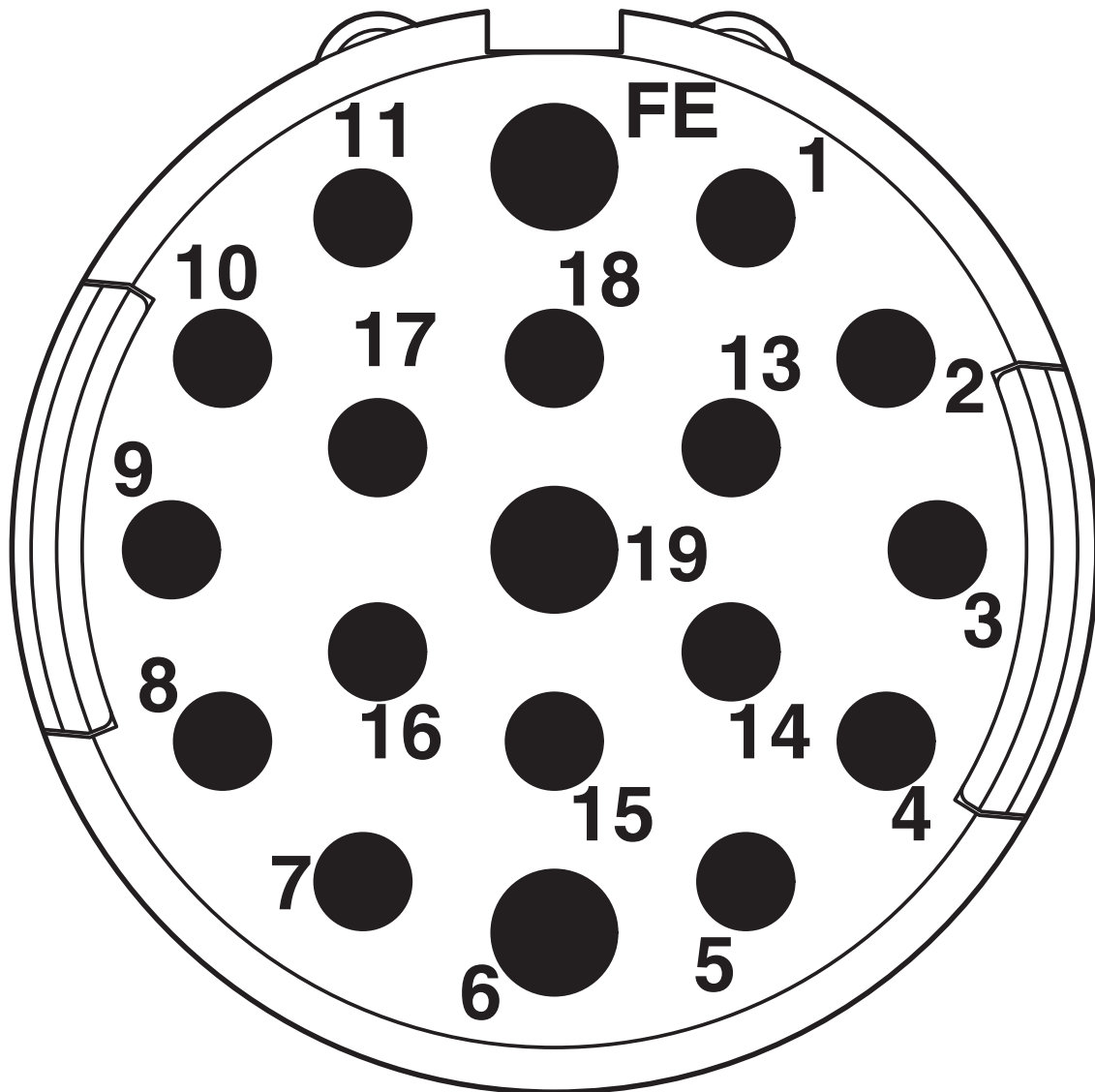
Environmental and real-life conditions

Ambient conditions

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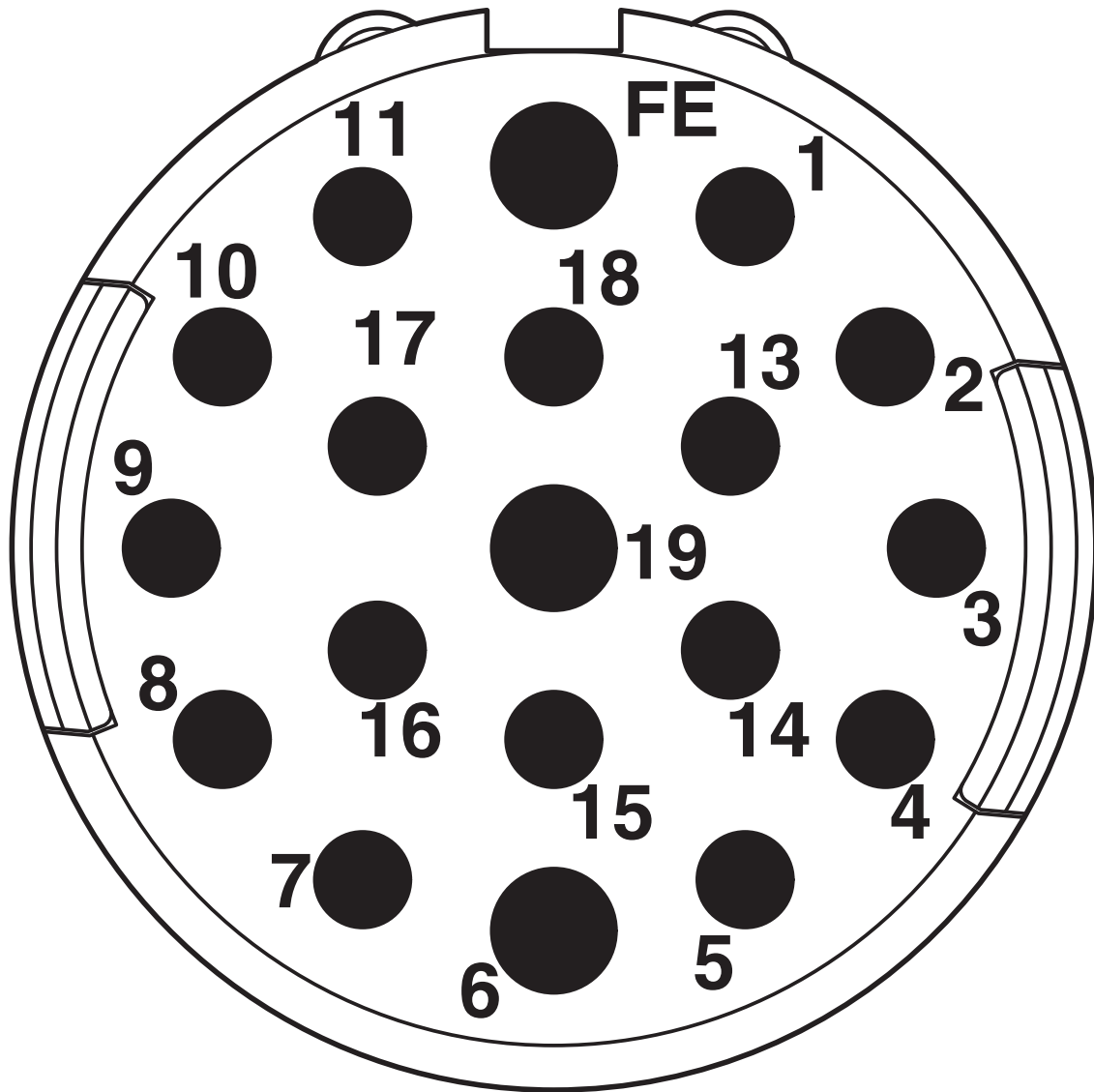
Drawings

Schematic diagram



Connector pin assignment

Schematic diagram



Connector pin assignment

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Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 9.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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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	7996aefb-3188-4e9f-9a41-6a78573d2f52

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