CA-19P1N12T0DNS - Cable connector

1619425

https://www.phoenixcontact.com/us/products/1619425

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M23, Cable connector, application: Signal, series: CA, angled, shielded: yes, SPEEDCON, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Pin, Solder connection, cable diameter range: 3 mm ... 14.5 mm, coding: N



The figure shows the 12-pos. product version

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
- Solder connection: proven connection technology for various litz wires

Commercial data

Item number	1619425
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAED
GTIN	4046356824224
Weight per piece (including packing)	193.5 g
Weight per piece (excluding packing)	188.374 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Order information:	When using a specific cable with Ø 3 mm ... 4 mm, it may be necessary to use the special cable seal (1786601)

Product properties

Product type	Circular connector (cable-side)

Connector

Insulating body

Coding	N
Material (Insulating body)	PA 6.6
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder connection
Contact switching type	Pin
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+3
Installation height	2000 m
Number (Contact group 1)	3
Contact diameter (Contact group 1)	1.5 mm
Litz wires Min. cross section (Contact group 1)	0.08 mm²
Litz wires Max. cross section (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	III
Degree of pollution	3
Number (Contact group 2)	16
Contact diameter (Contact group 2)	1 mm
Litz wires Max. cross section (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

Housing

Type	Cable connector housing
Thread type	M23
Design	angled

Type of locking	SPEEDCON
Pg screw connection	none
Material (Housing)	Metal
Degree of protection (plugged in)	IP67

Seal

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

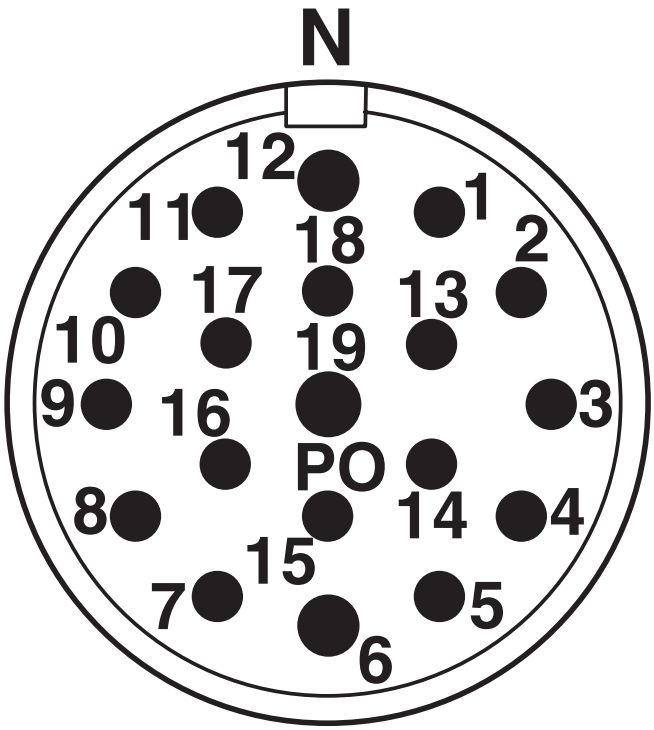
Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C

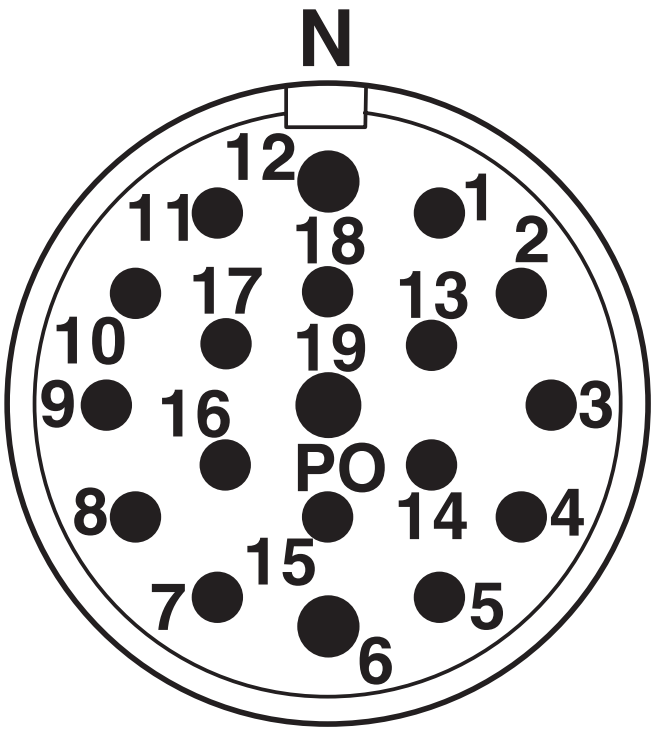
Drawings

Schematic diagram



Connector pin assignment

Schematic diagram



Connector pin assignment

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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	73826c75-d65e-452f-b2c4-d5d5dcabbe31

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