CA-19S1N12T006X - Cable connector

1244115

https://www.phoenixcontact.com/us/products/1244115

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The figure shows the 12-pos. product version

M23, Cable connector, application: Signal, series: CA, angled, shielded: yes, Screw locking mechanism, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Socket, Solder connection, cable diameter range: 4 mm ... 6 mm, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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
- Solder connection: proven connection technology for various litz wires

Commercial data

Item number	1244115
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABRAEC
GTIN	4063151405380
Weight per piece (including packing)	182.812 g
Weight per piece (excluding packing)	182.812 g
Country of origin	DE

Technical data

Product properties

Product type	Circular connector (cable-side)

Connector

Connection 1

Head design	Socket

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	Socket
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+3
Number (Power contacts)	3
Contact diameter (Power contacts)	1.5 mm
Litz wires Min. cross section (Power contacts)	0.08 mm²
Litz wires Max. cross section (Power contacts)	1 mm²
Rated current Contact (Power contacts)	10 A
Rated voltage Contact (Power contacts)	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Number (Signal contacts)	16
Contact diameter (Signal contacts)	1 mm
Litz wires Max. cross section (Signal contacts)	1 mm²
Rated current Contact (Signal contacts)	8 A

Housing

Type	Cable connector housing
Thread type	M23
Design	angled
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	CuZn (Rotating parts)
	GD-Zn (Die-cast parts)

Material (Screw connection)	CuZn
Degree of protection (plugged in)	IP67

Seal

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

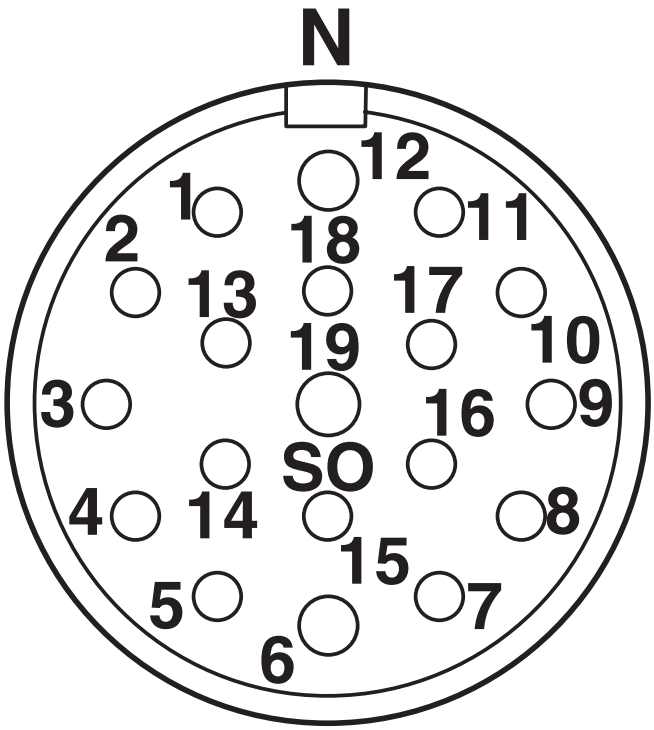
Environmental and real-life conditions

Ambient conditions

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

Drawings

Schematic diagram



Connector pin assignment

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1244115

cUL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	48 V	6 A	18	-
Signal	48 V	5 A	18	-

UL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	48 V	10 A	18	-
Signal	48 V	8 A	18	-

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	EC002635

UNSPSC

UNSPSC 21.0	39121100

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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