CA-06S1N8AT008 - Cable connector

1620210

https://www.phoenixcontact.com/pc/products/1620210

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M23, Cable connector, series: CA, angled, shielded: yes, Screw locking mechanism, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 10 mm ... 14.5 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	1620210
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAEC
GTIN	4046356818490
Weight per piece (including packing)	185 g
Weight per piece (excluding packing)	179.907 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Order information:	Order crimp contacts 6 x Ø 2 mm separately

Product properties

Product type	Circular connector (cable-side)

Connector

Connection 1

Head design	Socket

Insulating body

Note	Order information: Order crimp contacts Ø 2 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	6
Direction of rotation	Standard
Connection profile	6
Number Contact (Signal contacts)	6
Diameter Contact (Signal contacts)	2 mm
Litz wire cross-section min. Contact (Signal contacts)	1 mm²
Litz wire cross-section max. Contact (Signal contacts)	2.5 mm²
Rated current Contact (Signal contacts)	20 A (for max. connection cross section)
Rated voltage Contact (Signal contacts)	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
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	10 mm ... 14.5 mm
Seal material	NBR

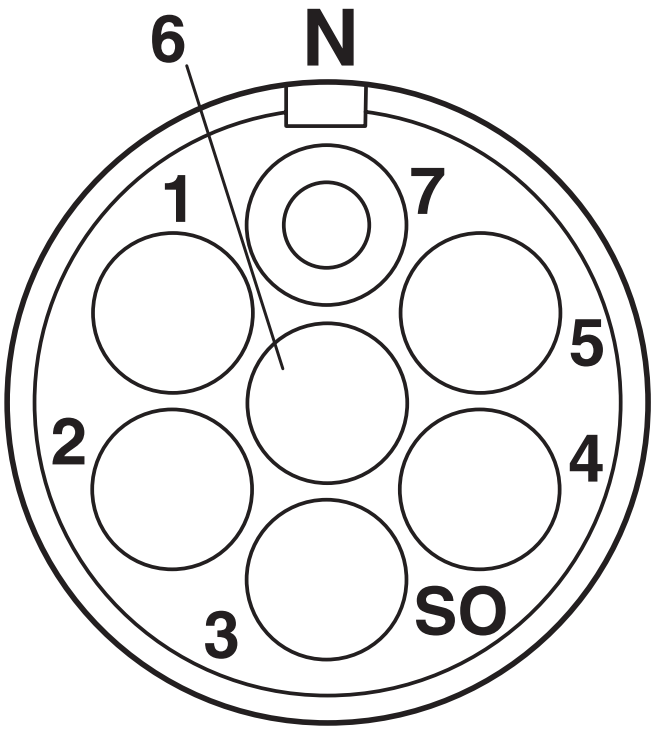
Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
Permissible humidity (storage/transport)	50 % ... 65 %

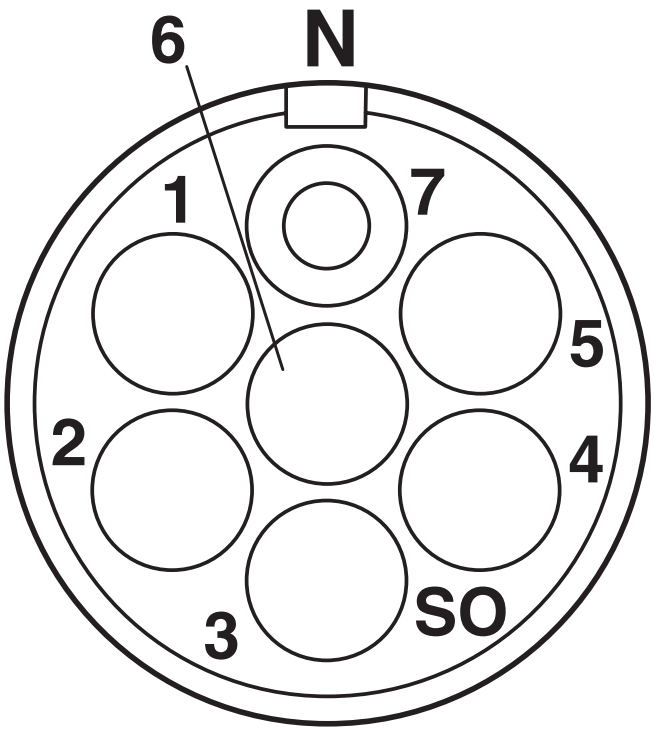
Drawings

Schematic diagram



Connector pin assignment

Schematic diagram



Connector pin assignment

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1620210

cUL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	48 V	10 A	14	-

UL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	48 V	17 A	14	-

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 9.0	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	73ecada2-de6a-44fc-ac66-3bec7c865f64

Accessories

CA-Z0077 - Metal protective cap

1627224

https://www.phoenixcontact.com/pc/products/1627224



Metal protective cap, this item is expected to be lead-free from Q3 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

SF-Z0028 - Torque screwdriver

1607456

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



Torque screwdriver, series: RC, UC, SH, SF

SF-Z0027 - Hook wrench

1607455

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



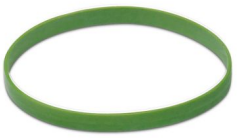
Hook wrench, series: RC, UC, RF, SF

RF-Z0014 - Color coding

1620588

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

Color coding, color: green

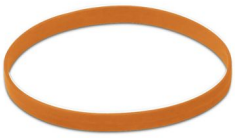


RF-Z0015 - Color coding

1620592

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

Color coding, color: orange



RF-Z0016 - Color coding

1620593

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

Color coding, color: black



RC-5CS2000 - Crimp contact

1603517

https://www.phoenixcontact.com/pc/products/1603517



Crimp contact, Socket, turned, contact diameter: 2 mm, connection cross section: 1 mm^2 ... 1.5 mm^2, contact material: CuZn, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241635

RC-5AS2000 - Crimp contact

1603509

https://www.phoenixcontact.com/pc/products/1603509



Crimp contact, Socket, turned, contact diameter: 2 mm, connection cross section: 1.5 mm^2 ... 2.5 mm^2, contact material: CuZn, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241635

RC-5SS2000 - Crimp contact

1603530

https://www.phoenixcontact.com/pc/products/1603530



Crimp contact, Socket, turned, contact diameter: 2 mm, connection cross section: 0.5 mm^2 ... 0.75 mm^2, contact material: CuZn, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241633

RC-59S2000 - Crimp contact

1603501

https://www.phoenixcontact.com/pc/products/1603501



Crimp contact, Socket, turned, contact diameter: 2 mm, connection cross section: 0.75 mm^2 ... 1 mm^2, contact material: CuZn, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241633

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

1577206

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

Plastic protective cap, M23, series: CA, RC, RF, UC, RM

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