

CA-07S1N8AT007X - Cable connector



1244107

<https://www.phoenixcontact.com/us/products/1244107>

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, application: Signal, series: CA, angled, shielded: yes, Screw locking mechanism, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 6 mm ... 10 mm, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)



The figure shows the 6-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
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

Item number	1244107
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABRAEC
GTIN	4063151404963
Weight per piece (including packing)	186.7 g
Weight per piece (excluding packing)	179.315 g
Country of origin	DE

CA-07S1N8AT007X - Cable connector



1244107

<https://www.phoenixcontact.com/us/products/1244107>

Technical data

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	7
Direction of rotation	Standard
Connection profile	7
Number (Signal contacts)	7
Contact diameter (Signal contacts)	2 mm
Litz wires Min. cross section (Signal contacts)	1 mm ²
Litz wires Max. cross section (Signal contacts)	2.5 mm ²
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	6 mm ... 10 mm
Seal material	NBR

CA-07S1N8AT007X - Cable connector



1244107

<https://www.phoenixcontact.com/us/products/1244107>

Environmental and real-life conditions

Ambient conditions

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

CA-07S1N8AT007X - Cable connector

1244107

<https://www.phoenixcontact.com/us/products/1244107>



Drawings

Schematic diagram



Connector pin assignment

CA-07S1N8AT007X - Cable connector



1244107

<https://www.phoenixcontact.com/us/products/1244107>

Classifications

ECLASS

ECLASS-13.0

27440116

ETIM

ETIM 9.0

EC002635

UNSPSC

UNSPSC 21.0

39121100

CA-07S1N8AT007X - Cable connector



1244107

<https://www.phoenixcontact.com/us/products/1244107>

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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - 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