

CA-07P1N8AT0DNS - Cable connector



1619443

<https://www.phoenixcontact.com/pc/products/1619443>

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M23, Cable connector, series: CA, angled, shielded: yes, SPEEDCON, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 3 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243561



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
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

Item number	1619443
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAED
Catalog page	Page 90 (C-2-2019)
GTIN	4046356824040
Weight per piece (including packing)	187.7 g
Weight per piece (excluding packing)	187 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	Order crimp contacts 6 x Ø 2 mm separately
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Product properties

Product type	Circular connector (cable-side)
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Connector

Insulating body

Note	Order information: Order 7 x Ø 2 mm crimp contacts separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	7
Direction of rotation	Standard
Connection profile	7
Contact diameter Signal contacts	2 mm
Litz wire cross-section Signal contacts min.	1 mm ²
Litz wire cross-section Signal contacts max.	2.5 mm ²
Nominal current per signal contact	20 A
Rated voltage Signal contact	48 V AC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

Housing

Housing material	Metal
Type of locking	SPEEDCON
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

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
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Ambient temperature (storage/transport)	15 °C ... 25 °C
Permissible humidity (storage/transport)	50 % ... 65 %

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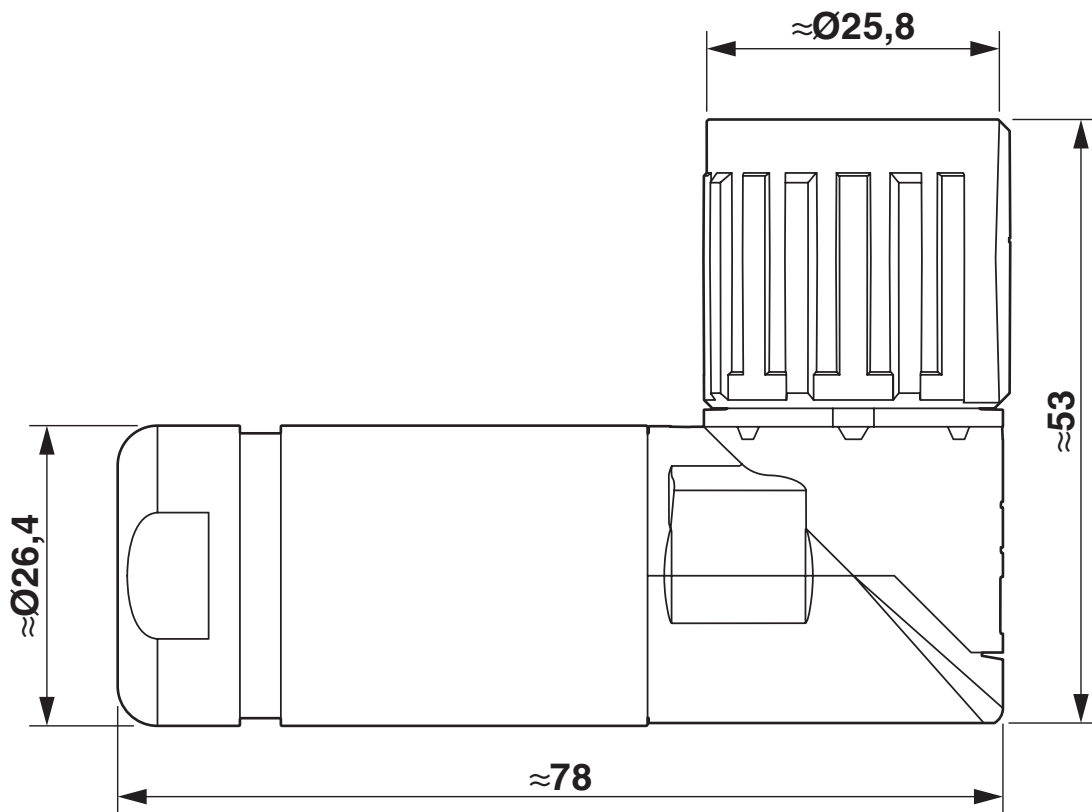


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Drawings

Dimensional drawing



Dimensional drawing

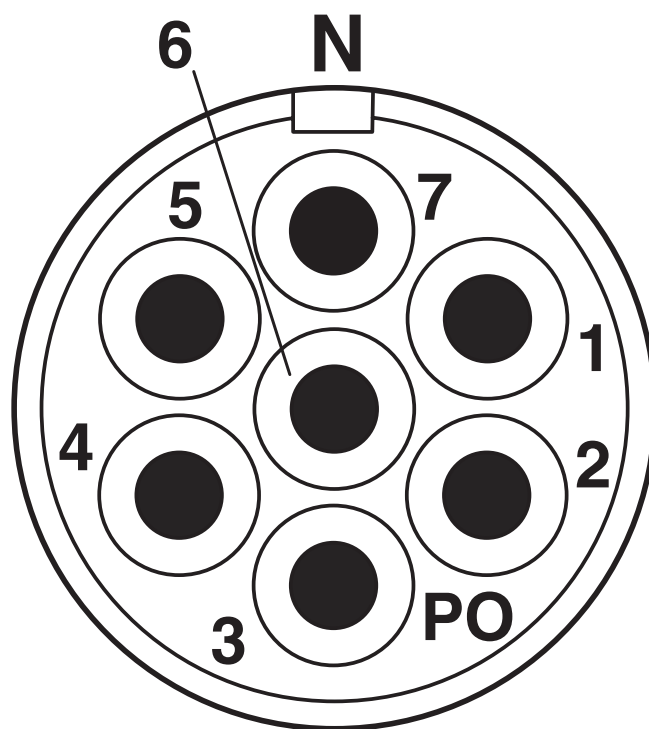
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Schematic diagram



Connector pin assignment

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1619443>

 cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	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
	48 V	17 A	- 14	-

cULus Recognized				
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Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

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



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RF-Z0014 - Color coding

1620588

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

Color coding, color: green



RF-Z0015 - Color coding

1620592

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Color coding, color: orange



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RF-Z0016 - Color coding

1620593

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Color coding, color: black



RC-5CP2000 - Crimp contact

1603513

<https://www.phoenixcontact.com/pc/products/1603513>



Crimp contact, Pin, turned, contact diameter: 2 mm, crimp range: 1 mm² ... 1.5 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241634

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RC-5AP2000 - Crimp contact

1603505

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Crimp contact, Pin, turned, contact diameter: 2 mm, crimp range: 1.5 mm² ... 2.5 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241634

RC-5SP2000 - Crimp contact

1603529

<https://www.phoenixcontact.com/pc/products/1603529>



Crimp contact, Pin, turned, contact diameter: 2 mm, crimp range: 0.5 mm² ... 0.75 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241632

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

1577206

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Plastic protective cap, M23, degree of protection: IP20, series: CA, RC, RF, UC, RM

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