

1619859

<https://www.phoenixcontact.com/us/products/1619859>

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, Device connector front mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 16, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, Axial seal, Central fastening M20 x 1.5, coding: N

Your advantages

- 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
- Application-specific wall mounting optionally with thread or anti-rotation protection and lock nut

Commercial data

Item number	1619859
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEL
GTIN	4046356821070
Weight per piece (including packing)	26.5 g
Weight per piece (excluding packing)	22.9 g
Customs tariff number	85366990
Country of origin	DE

CA-16S1N8A6Y00 - Device connector front mounting



1619859

<https://www.phoenixcontact.com/us/products/1619859>

Technical data

Notes

Order information:	Order 6 x Ø 1 mm crimp contacts separately
--------------------	--

Product properties

Product type	Circular connectors (device side)
--------------	-----------------------------------

Connector

Insulating body

Note	Order information: Order 6 x Ø 1 mm crimp contacts separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	16
Direction of rotation	Standard
Connection profile	16
Contact diameter	1 mm
Litz wire cross-section	0.08 mm ²
Litz wire cross-section	1 mm ²
Nominal current per signal contact	8 A
Rated voltage	48 V AC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

Housing

Order information:	If necessary, order locking nut separately
Housing material	GD-Zn
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

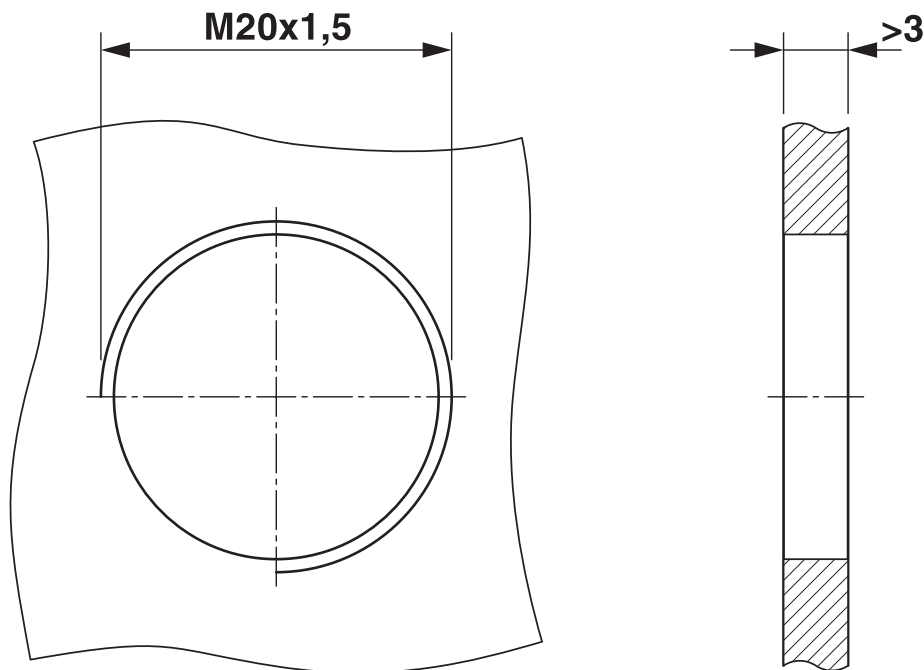
Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
Ambient temperature (storage/transport)	15 °C ... 25 °C
Permissible humidity (storage/transport)	50 % ... 65 %

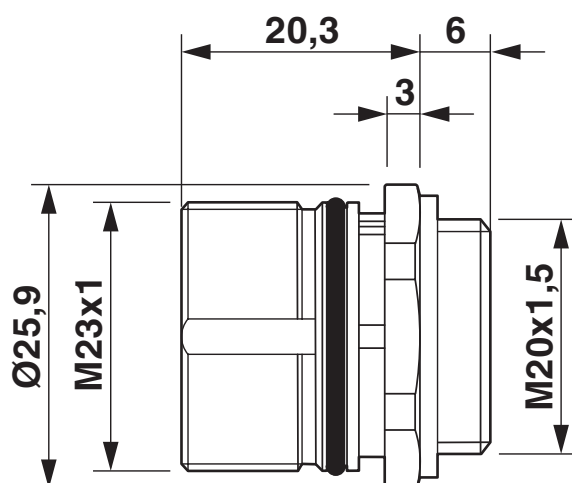
Drawings

Dimensional drawing



Installation dimensions

Dimensional drawing



Dimensional drawing

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619859>

 cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	48 V	3 A	20 - 20	-

 UL Recognized Approval ID: E335019-20141210				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	48 V	5 A	20 - 20	-

cULus Recognized				
-------------------------	--	--	--	--

CA-16S1N8A6Y00 - Device connector front mounting



1619859

<https://www.phoenixcontact.com/us/products/1619859>

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002635
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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%

CA-16S1N8A6Y00 - Device connector front mounting



1619859

<https://www.phoenixcontact.com/us/products/1619859>

Accessories

RC-11S2000 - Crimp contact

1596772

<https://www.phoenixcontact.com/us/products/1596772>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm² ... 0.22 mm², Contact release tool not necessary for the 12- and 17-pos. crimp versions of the M23-PRO series, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241093

RC-12S2000 - Crimp contact

1599600

<https://www.phoenixcontact.com/us/products/1599600>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm² ... 0.56 mm², Contact release tool not necessary for the 12- and 17-pos. crimp versions of the M23-PRO series, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241093

CA-16S1N8A6Y00 - Device connector front mounting



1619859

<https://www.phoenixcontact.com/us/products/1619859>

RC-1KS2000 - Crimp contact

1602998

<https://www.phoenixcontact.com/us/products/1602998>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm² ... 1 mm², Contact release tool not necessary for the 12- and 17-pos. crimp versions of the M23-PRO series, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241572

SF-Z0019 - Protective cap

1607449

<https://www.phoenixcontact.com/us/products/1607449>



Plastic protection cap, with eye, IP40 for connectors with M23 external thread, RF, SF series

CA-16S1N8A6Y00 - Device connector front mounting



1619859

<https://www.phoenixcontact.com/us/products/1619859>

RC-Z2469 - Protective cap

1611797

<https://www.phoenixcontact.com/us/products/1611797>



Plastic protection cap, antistatic, for RF, SF, CA, RC series connectors, with M23 external thread

RC-Z2104 - Metal protective cap

1604260

<https://www.phoenixcontact.com/us/products/1604260>



Metal protective cap, M23, degree of protection: IP67, series: RC, UC, RF, SF, NC, RM, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241739

CA-16S1N8A6Y00 - Device connector front mounting



1619859

<https://www.phoenixcontact.com/us/products/1619859>

RC-Z2068 - Metal protective cap

1604236

<https://www.phoenixcontact.com/us/products/1604236>

Metal protective cap, M23, degree of protection: IP67, series: RC, UC, RF, SF, NC, RM, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241735



CA-Z0110 - Color coding

1620700

<https://www.phoenixcontact.com/us/products/1620700>

Color coding, color: green



CA-16S1N8A6Y00 - Device connector front mounting



1619859

<https://www.phoenixcontact.com/us/products/1619859>

CA-Z0111 - Color coding

1620701

<https://www.phoenixcontact.com/us/products/1620701>

Color coding, color: orange



CA-Z0112 - Color coding

1620702

<https://www.phoenixcontact.com/us/products/1620702>

Color coding, color: black



CA-16S1N8A6Y00 - Device connector front mounting



1619859

<https://www.phoenixcontact.com/us/products/1619859>

CA-Z0001 - Contact removal tool

1620699

<https://www.phoenixcontact.com/us/products/1620699>



Unlocking tool for contact carriers for snapping in the M23 signal device connectors

RC-22S2000 - Crimp contact

1603327

<https://www.phoenixcontact.com/us/products/1603327>



Crimp contact, Socket, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm², Single contact, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

CA-16S1N8A6Y00 - Device connector front mounting



1619859

<https://www.phoenixcontact.com/us/products/1619859>

RC-22S2400 - Crimp contact

1603332

<https://www.phoenixcontact.com/us/products/1603332>



Crimp contact, Socket, rolled, Taped product, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm², Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

RC-22S2300 - Crimp contact

1603330

<https://www.phoenixcontact.com/us/products/1603330>



Crimp contact, Socket, rolled, Taped product, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm², Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

CA-16S1N8A6Y00 - Device connector front mounting



1619859

<https://www.phoenixcontact.com/us/products/1619859>

RC-13041 - Flat nut

1600417

<https://www.phoenixcontact.com/us/products/1600417>

Flat nut, Screw mounting, M20 x 1,5, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241209



PROT-M23PRO-OT-IP20 - Plastic protective cap

1055753

<https://www.phoenixcontact.com/us/products/1055753>

Plastic protective cap, M23, degree of protection: IP20, series: M23 PRO



Phoenix Contact 2024 © - 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