

CA-1RP1N8A6L00 - Device connector front mounting



1623630

<https://www.phoenixcontact.com/us/products/1623630>

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+2+FE, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, Axial seal, Central fastening M20 x 1.5, can be positioned via a locking nut, 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

Commercial data

Item number	1623630
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEL
Catalog page	Page 99 (C-2-2019)
GTIN	4055626191416
Weight per piece (including packing)	36.3 g
Weight per piece (excluding packing)	32 g
Customs tariff number	85366990
Country of origin	DE

CA-1RP1N8A6L00 - Device connector front mounting



1623630

<https://www.phoenixcontact.com/us/products/1623630>

Technical data

Notes

Order information:	Order crimp contacts 16 x Ø 1 mm, 2 x Ø 1.5 mm, 1 x Ø 1.5 (PE) separately
--------------------	---

Mounting

Thread type	()
-------------	----

Product properties

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

Data management status

Article revision	04
------------------	----

Connector

Insulating body

Note	Order information: Order crimp contacts 16x Ø 1 mm, 2x Ø 1.5 mm, 1x Ø 1.5 mm (FE, first) separately
Coding	N
Insulation body material	PA 6.6
Insertion/withdrawal cycles	100
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+2+FE
Contact diameter	1.5 mm
Power contacts	
Litz wire cross-section	0.08 mm ²
Litz wire cross-section	1 mm ²
Rated current	10 A
Note	for max. connection cross section
Rated voltage	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	II
Degree of pollution	3
Contact diameter	1 mm
Signal contacts	
Litz wire cross-section	0.08 mm ²
Litz wire cross-section	1 mm ²
Nominal current per signal contact	8 A

CA-1RP1N8A6L00 - Device connector front mounting



1623630

<https://www.phoenixcontact.com/us/products/1623630>

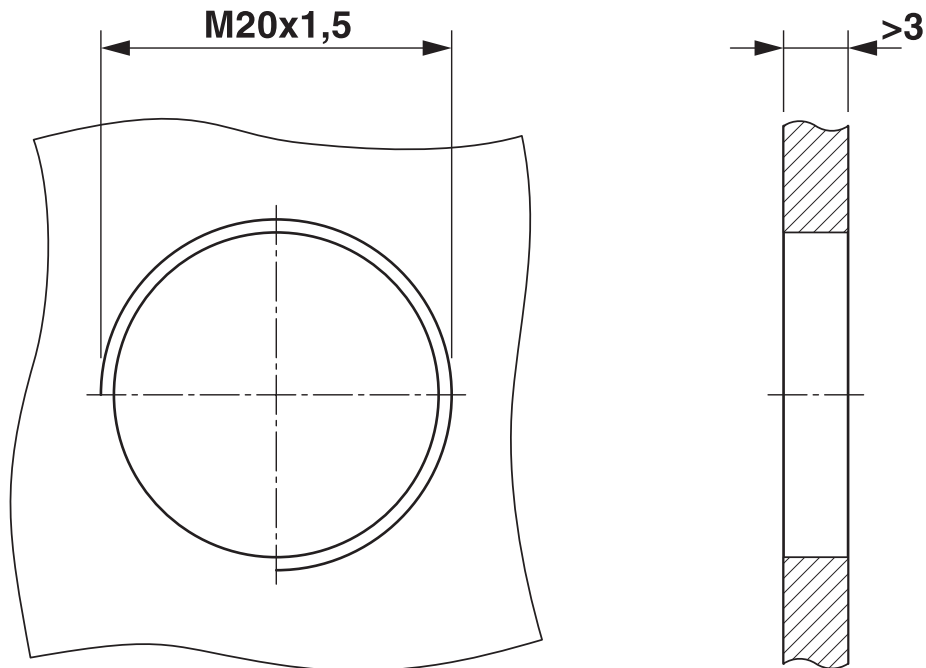
Rated voltage Signal contact	48 V AC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Installation height	2000 m

Housing

Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

Drawings

Dimensional drawing



Installation dimensions

Sep 23, 2024, 2:04 AM Page 5 (8)

CA-1RP1N8A6L00 - Device connector front mounting





1623630

<https://www.phoenixcontact.com/us/products/1623630>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1623630>

 cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	48 V	6 A	18 - 18	-
Signal	48 V	5 A	18 - 18	-

 UL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	48 V	10 A	18 - 18	-
Signal	48 V	8 A	18 - 18	-

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

CA-1RP1N8A6L00 - Device connector front mounting



1623630

<https://www.phoenixcontact.com/us/products/1623630>

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
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	6523dca4-170e-4441-9dd6-c91e5346b42b