

CA-19P1N12HZ00 - Device connector rear mounting



1619777

<https://www.phoenixcontact.com/us/products/1619777>

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.



The figure shows the 12-pos.
product version

M23, Device connector rear mounting, application: Signal, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Pin, Solder connection, Axial seal, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

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
- Solder connection: proven connection technology for various litz wires
- Application-specific panel mounting optionally with thread or anti-rotation protection and lock nut

Commercial data

Item number	1619777
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAER
GTIN	4046356821407
Weight per piece (including packing)	54.1 g
Weight per piece (excluding packing)	47.069 g
Customs tariff number	85366990
Country of origin	DE

CA-19P1N12HZ00 - Device connector rear mounting



1619777

<https://www.phoenixcontact.com/us/products/1619777>

Technical data

Product properties

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

Connector

Insulating body

Coding	N
Material (Insulating body)	PA 6.6
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder connection
Contact switching type	Pin
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+3
Installation height	2000 m
Number (Contact group 1)	3
Contact diameter (Contact group 1)	1.5 mm
Litz wires Min. cross section (Contact group 1)	0.08 mm ²
Litz wires Max. cross section (Contact group 1)	1 mm ²
Rated current Contact (Contact group 1)	10 A (for max. connection cross section)
Rated voltage Contact (Contact group 1)	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Number (Contact group 2)	16
Contact diameter (Contact group 2)	1 mm
Litz wires Max. cross section (Contact group 2)	1 mm ²
Rated current Contact (Contact group 2)	8 A
Rated voltage Contact (Contact group 2)	48 V AC 48 V AC

Housing

Type	Feed-through header
Thread type	M23
Design	straight
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Mounting type	Rear wall/screw mounting (M25 x 1,5)

CA-19P1N12HZ00 - Device connector rear mounting



1619777

<https://www.phoenixcontact.com/us/products/1619777>

Assembly note	Central fastening
Material (Housing)	GD-Zn
Material (Rotating parts)	CuZn
Degree of protection (plugged in)	IP67
Seal for the device	Axial seal

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
---------------------------------	-------------------

CA-19P1N12HZ00 - Device connector rear mounting



1619777

<https://www.phoenixcontact.com/us/products/1619777>

Drawings

Schematic diagram



Connector pin assignment

CA-19P1N12HZ00 - Device connector rear mounting



1619777

<https://www.phoenixcontact.com/us/products/1619777>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619777>

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

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

CA-19P1N12HZ00 - Device connector rear mounting



1619777

<https://www.phoenixcontact.com/us/products/1619777>

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 10.0	EC003569
-----------	----------

UNSPSC

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

CA-19P1N12HZ00 - Device connector rear mounting



1619777

<https://www.phoenixcontact.com/us/products/1619777>

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	e8ccd5dc-71dc-446a-88b9-aad5e6680483

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