

RF-12P2N8AWV00 - Device connector front mounting



1614414

<https://www.phoenixcontact.com/us/products/1614414>

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 product version with standard contact chamber numbering

Device connector front mounting, application: Signal, straight, Screw locking mechanism, M23, number of positions: 12, contact connection type: Pin, Axial O-ring, shielded: yes, number of positions: 12, connection method: Crimp connection, series: RF, 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 connection solutions in the industrial environment
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

Item number	1614414
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAGL
GTIN	4046356343053
Weight per piece (including packing)	42.925 g
Weight per piece (excluding packing)	38.532 g
Country of origin	DE

1614414

<https://www.phoenixcontact.com/us/products/1614414>

Technical data

Notes

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

Mounting

Mounting type	Front mounting/square flange (4x Ø 3.2 mm)
---------------	--

Product properties

Product type	Circular connectors (device side)
Series	RF
Application	Signal
Number of positions	12
Connection profile	12
Shielded	yes
Coding	N
Thread type	M23

Material specifications

Material Housing	Stainless steel 1.4305
Material Insulating body	PA 6.6
Material Seal	FPM (O-ring)
Flammability rating according to UL 94	V0

Electrical properties

Contact

Contact diameter	1 mm
Nominal current I_N	8 A
Nominal voltage U_N	48 V AC
	74 V DC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV

Connection data

Conductor connection

Connection method	Crimp connection
Contact connection type	Pin

Connector

Type	straight
Direction of rotation	Counter direction

1614414

<https://www.phoenixcontact.com/us/products/1614414>

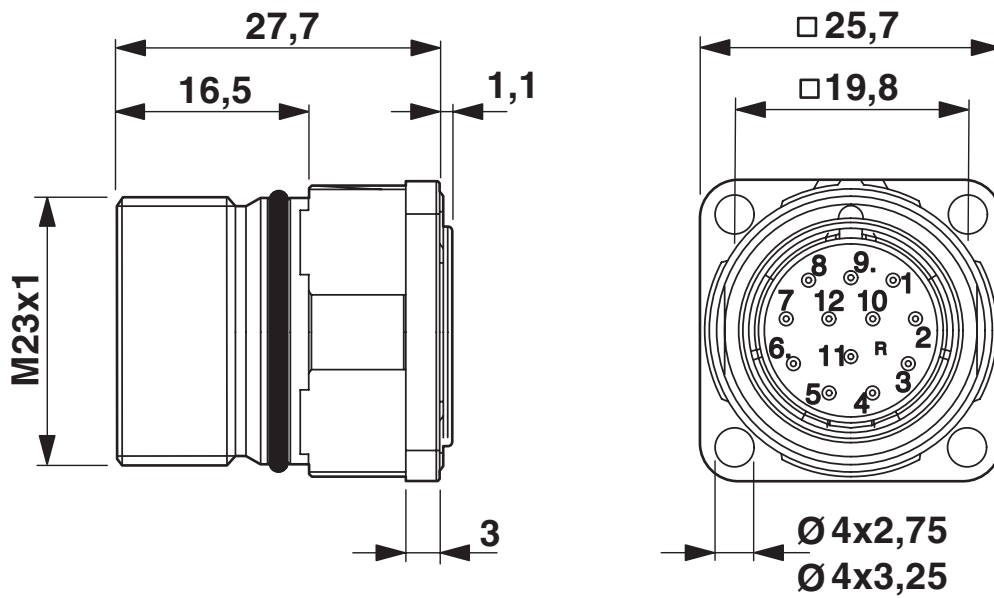
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-20 °C ... 125 °C
Altitude	2000 m

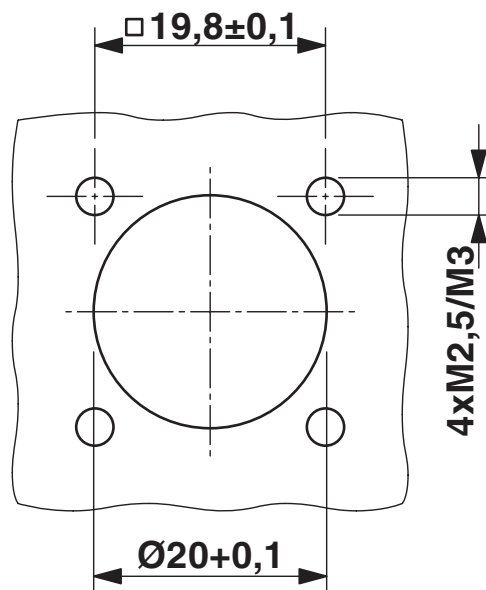
Drawings

Dimensional drawing



Dimensional drawing

Dimensional drawing



Installation dimensions

1614414

<https://www.phoenixcontact.com/us/products/1614414>

Schematic diagram



Contact chamber numbering (view of plug-in side), pin counter direction

RF-12P2N8AWV00 - Device connector front mounting



1614414

<https://www.phoenixcontact.com/us/products/1614414>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1614414>

 cUL Recognized Approval ID: E153698-20090723				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	48 V	5 A	20	-

 UL Recognized Approval ID: E153698-20090723				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	48 V	5 A	20	-

1614414

<https://www.phoenixcontact.com/us/products/1614414>

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

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

UNSPSC

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

RF-12P2N8AWV00 - Device connector front mounting



1614414

<https://www.phoenixcontact.com/us/products/1614414>

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