

RF-12P1N8AWA00 - Device connector front mounting



1607236

<https://www.phoenixcontact.com/us/products/1607236>

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.



Device connector front mounting, 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

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	1607236
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAGL
GTIN	4046356174930
Weight per piece (including packing)	35.5 g
Weight per piece (excluding packing)	31.263 g
Customs tariff number	85366990
Country of origin	DE

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
	Signal
Number of positions	12
Connection profile	12
Shielded	yes
Coding	N
Thread type	M23

Material specifications

Material Housing	GD-Zn
Material Rotating parts	CuZn
Material Housing surface	Ni
Material Insulating body	PA 6.6
Material Seal	FPM (O-ring)

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
------	----------

RF-12P1N8AWA00 - Device connector front mounting



1607236

<https://www.phoenixcontact.com/us/products/1607236>

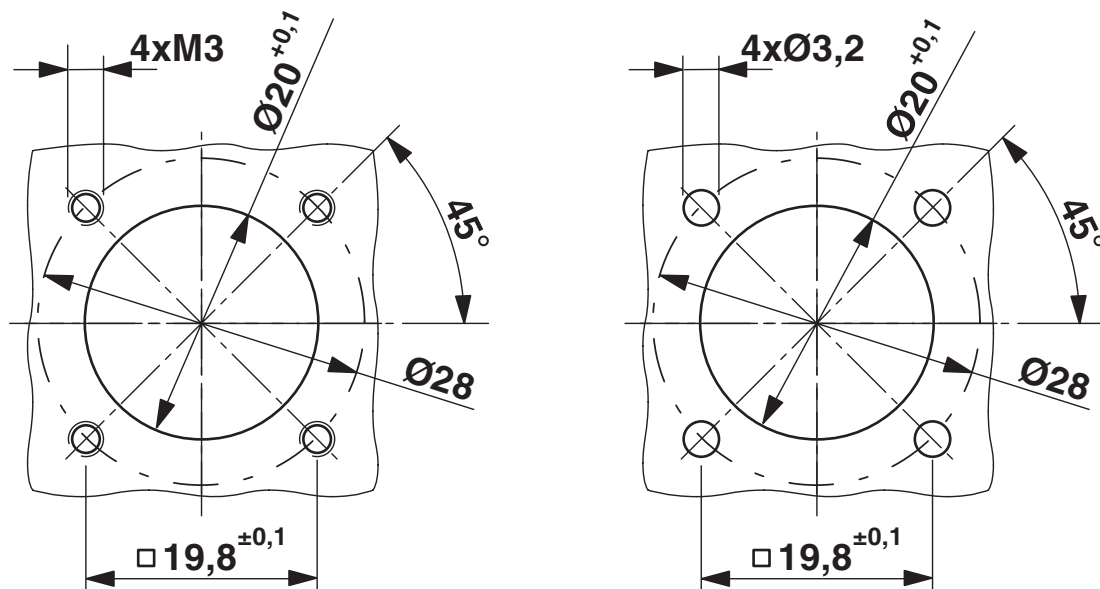
Direction of rotation	Standard
-----------------------	----------

Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 125 °C
Altitude	2000 m

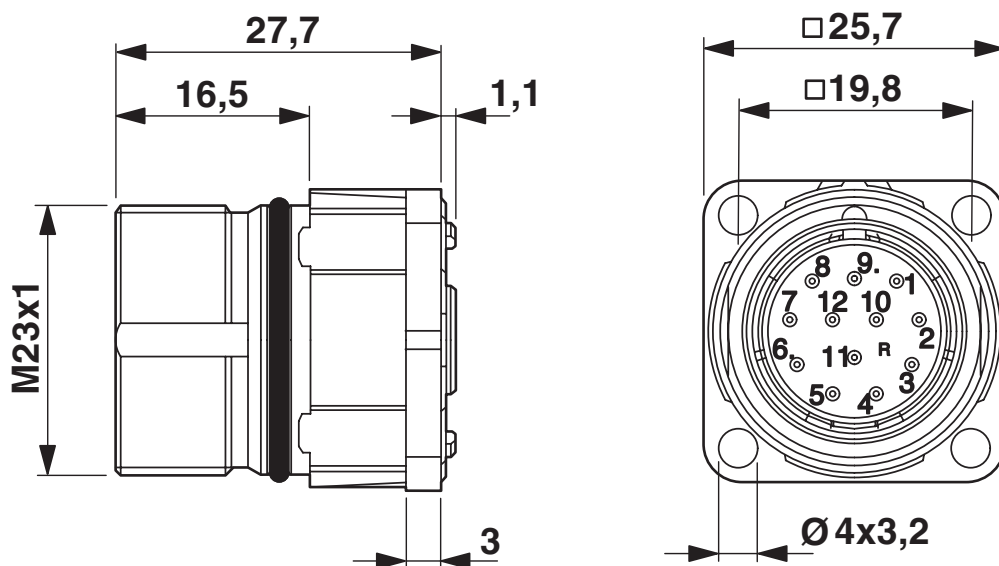
Drawings

Dimensional drawing



Installation dimensions

Dimensional drawing

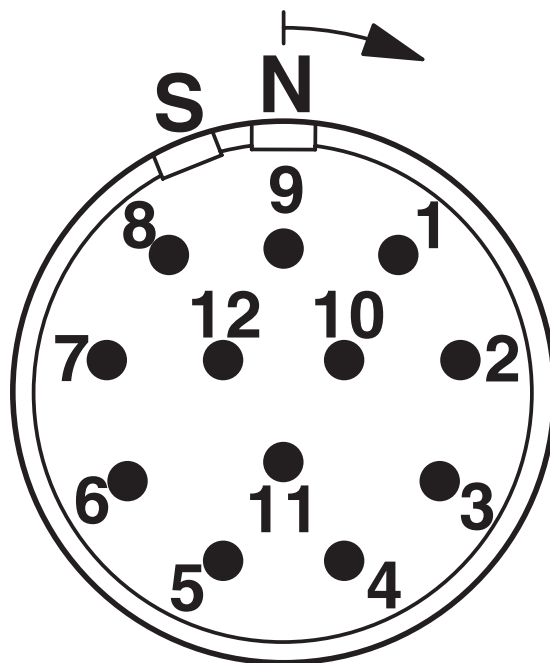


Dimensional drawing

1607236

<https://www.phoenixcontact.com/us/products/1607236>

Schematic diagram




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


1607236

<https://www.phoenixcontact.com/us/products/1607236>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1607236>

 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	-

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 9.0	EC003569
----------	----------

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%