

# RF-12S1N8AWA00 - Device connector front mounting



1607283

<https://www.phoenixcontact.com/us/products/1607283>

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: Socket, 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	1607283
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAGL
Catalog page	Page 112 (C-2-2019)
GTIN	4046356174855
Weight per piece (including packing)	33 g
Weight per piece (excluding packing)	31.263 g
Customs tariff number	85366990
Country of origin	DE

# RF-12S1N8AWA00 - Device connector front mounting



1607283

<https://www.phoenixcontact.com/us/products/1607283>

## Technical data

### Notes

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

### Mounting

Mounting type	Front mounting/square flange 4x Ø 3,2 mm
Assembly note	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

Seal material	FPM
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Insulator material	PA 6.6
Gasket and O-ring material	FPM

### Electrical properties

#### Contact

Contact diameter	1 mm
Max. current	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	Socket

### Connector

Type	straight
------	----------

# RF-12S1N8AWA00 - Device connector front mounting



1607283

<https://www.phoenixcontact.com/us/products/1607283>

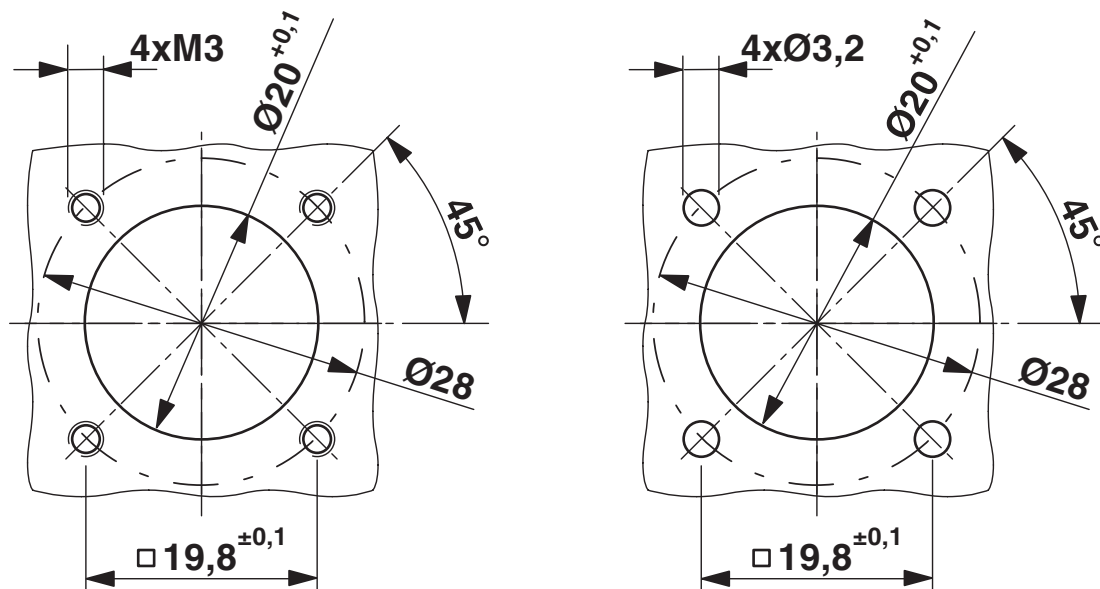
Direction of rotation	Standard
-----------------------	----------

## Environmental and real-life conditions

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

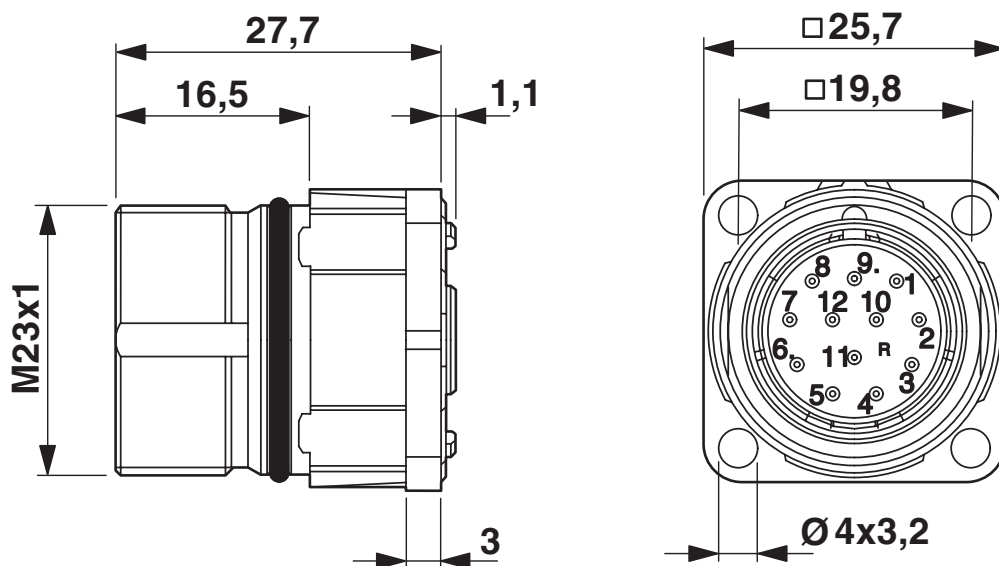
## Drawings

Dimensional drawing



Installation dimensions

Dimensional drawing

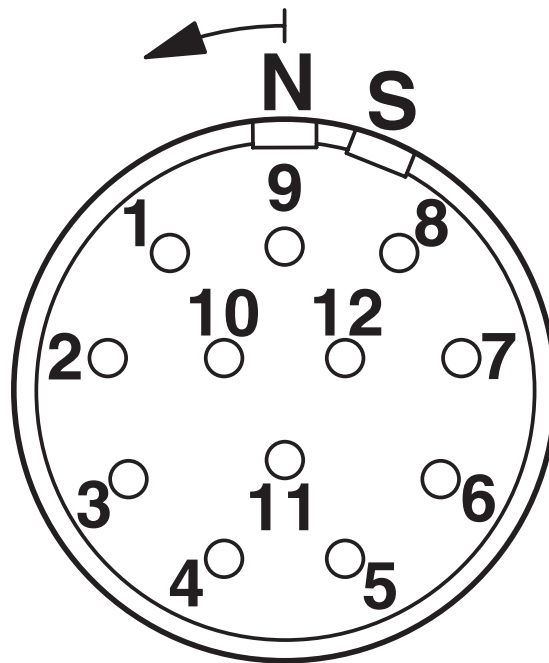


Dimensional drawing

1607283

<https://www.phoenixcontact.com/us/products/1607283>

Schematic diagram



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

# RF-12S1N8AWA00 - Device connector front mounting




1607283

<https://www.phoenixcontact.com/us/products/1607283>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1607283>

	<b>cUL Recognized</b> Approval ID: E153698-20090723			
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
	48 V	5 A	20	-

	<b>UL Recognized</b> Approval ID: E153698-20090723			
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
	48 V	5 A	20	-

# RF-12S1N8AWA00 - Device connector front mounting



1607283

<https://www.phoenixcontact.com/us/products/1607283>

## Classifications

### ECLASS

ECLASS-13.0	27440109
-------------	----------

### ETIM

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

### UNSPSC

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

# RF-12S1N8AWA00 - Device connector front mounting



1607283

<https://www.phoenixcontact.com/us/products/1607283>

## 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 2025 © - 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](mailto:info@phoenixcon.com)