

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
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

Technical data

Notes

Order information:

Order crimp contacts Ø 1 mm separately

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
Direction of rotation	Standard

Environmental and real-life conditions

Ambient conditions

RF-12S1N8AWA00 - Device connector front mounting



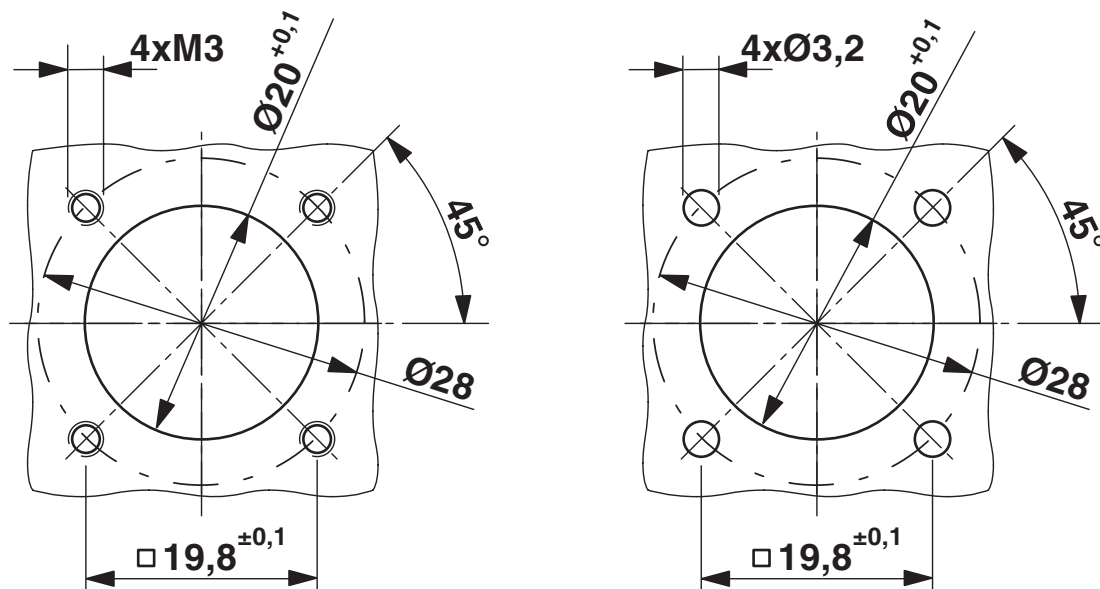
1607283

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

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

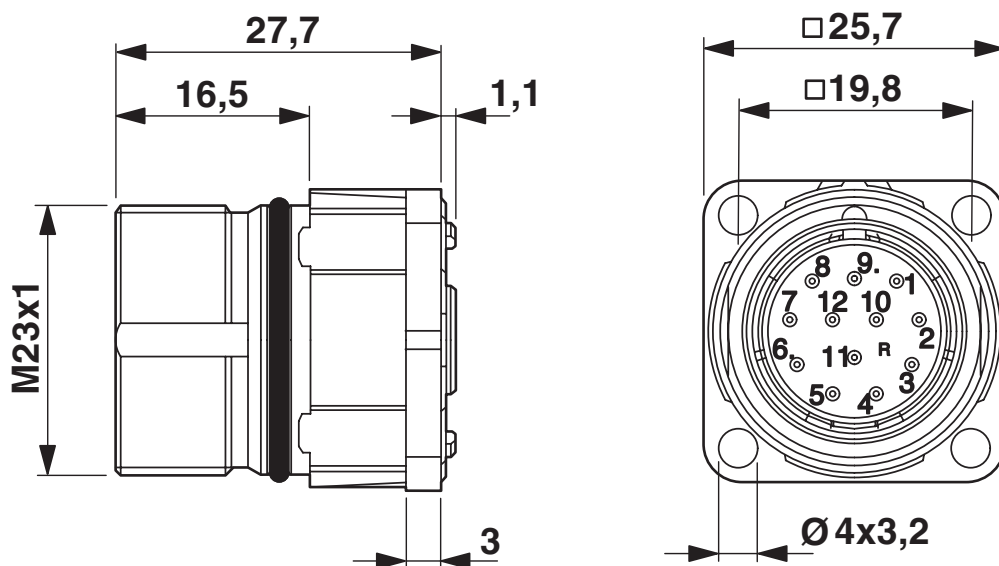
Drawings

Dimensional drawing



Installation dimensions

Dimensional drawing

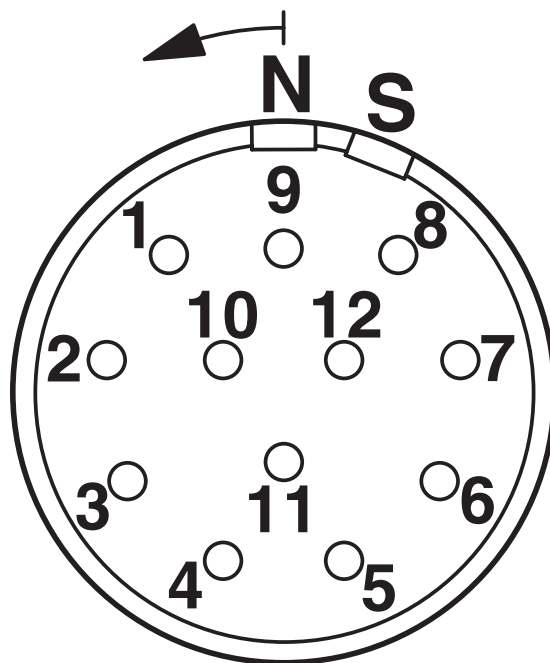


Dimensional drawing

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>

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

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

1607283

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

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	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