

# RF-12S1S8AWA00 - Device connector front mounting



1607294

<https://www.phoenixcontact.com/us/products/1607294>

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, application: Signal, straight, Screw locking mechanism, M23, number of positions: 12, contact connection type: Socket, Axial O-ring, 4x Ø 3.2, shielded: yes, number of positions: 12, connection method: Crimp connection, series: RF

## Commercial data

Item number	1607294
Packing unit	20 pc
Minimum order quantity	20 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAGL
GTIN	4046356268677
Weight per piece (including packing)	35.24 g
Weight per piece (excluding packing)	35.24 g
Customs tariff number	85366990
Country of origin	DE

1607294

<https://www.phoenixcontact.com/us/products/1607294>

## 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	S
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
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	Socket

### Connector

Type	straight
Direction of rotation	Standard

#### Connection 1

Head design	Socket
-------------	--------

1607294

<https://www.phoenixcontact.com/us/products/1607294>

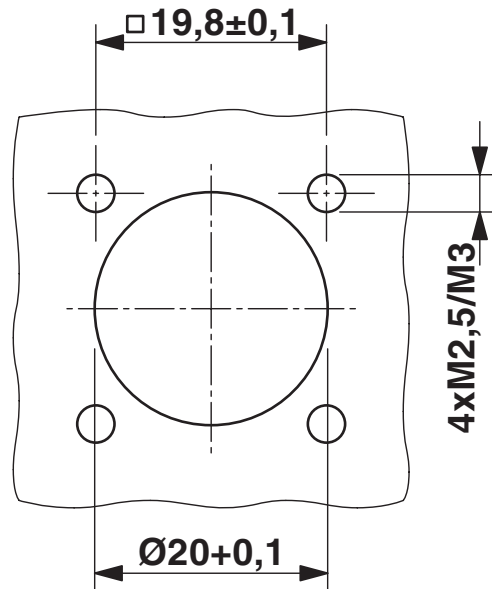
## Environmental and real-life conditions

### Ambient conditions

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

Drawings

Dimensional drawing



Installation dimensions

Dimensional drawing

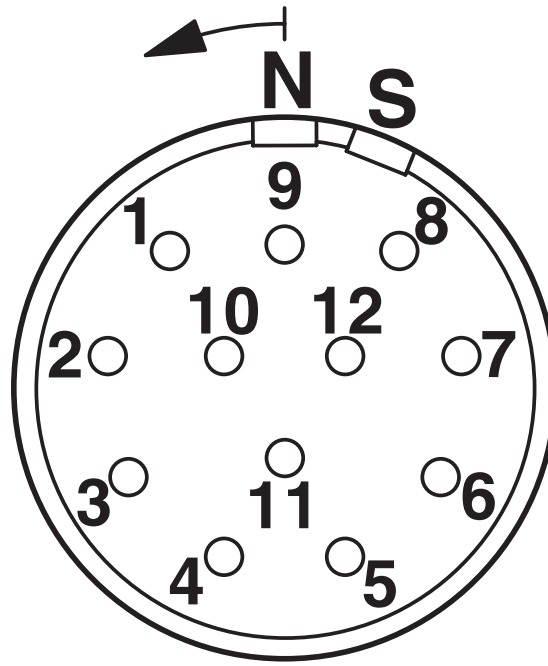


Dimensional drawing

1607294

<https://www.phoenixcontact.com/us/products/1607294>

Schematic diagram



Connector pin assignment

# RF-12S1S8AWA00 - Device connector front mounting



1607294

<https://www.phoenixcontact.com/us/products/1607294>

## Classifications

### ETIM

ETIM 9.0

EC003569

### UNSPSC

UNSPSC 21.0

39121400

# RF-12S1S8AWA00 - Device connector front mounting



1607294

<https://www.phoenixcontact.com/us/products/1607294>

## 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](mailto:info@phoenixcon.com)