

# RF-12S2N8AWB00 - Device connector front mounting



1607844

<https://www.phoenixcontact.com/us/products/1607844>

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: Socket, Axial O-ring, 4x Ø 3.2, 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	1607844
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAFL
GTIN	4046356174916
Weight per piece (including packing)	30.3 g
Weight per piece (excluding packing)	30.3 g
Customs tariff number	85366990
Country of origin	DE

1607844

<https://www.phoenixcontact.com/us/products/1607844>

## 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
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	Counter direction

#### Connection 1

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

1607844

<https://www.phoenixcontact.com/us/products/1607844>

## 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

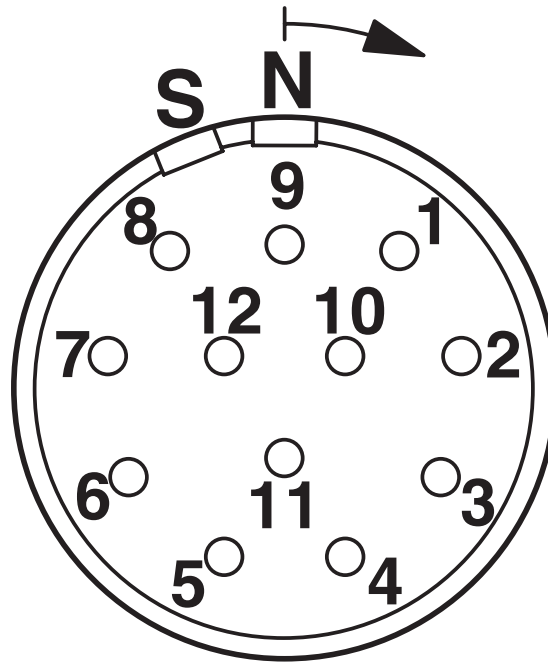


Dimensional drawing

1607844

<https://www.phoenixcontact.com/us/products/1607844>

Schematic diagram



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

1607844

<https://www.phoenixcontact.com/us/products/1607844>

## Classifications

### ECLASS

ECLASS-13.0

27440116

### ETIM

ETIM 9.0

EC002635

### UNSPSC

UNSPSC 21.0

39121400

# RF-12S2N8AWB00 - Device connector front mounting



1607844

<https://www.phoenixcontact.com/us/products/1607844>

## 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)