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Device connector front mounting, angled rotatable, Screw locking mechanism, M23, number of positions: 12, contact connection type: Pin, Axial O-ring, 4x Ø 3.2, shielded: yes, flange dimensions: 26 mm x 26 mm, number of positions: 12, connection method: Crimp connection, series: RF

## Your advantages

- Easy connection, thanks to infinitely adjustable cable outlet direction up to 310°
- 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	1607233
Packing unit	16 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAGM
Catalog page	Page 112 (C-2-2019)
GTIN	4046356175012
Weight per piece (including packing)	132.8 g
Weight per piece (excluding packing)	57.12 g
Customs tariff number	85366990
Country of origin	DE

# RF-12P1N8AAD00 - Device connector front mounting

1607233

<https://www.phoenixcontact.com/us/products/1607233>



## Technical data

### Notes

Order information:	Order crimp contacts Ø 1 mm separately
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### Mounting

Mounting type	Front mounting
Mounting	4x Ø 3.2

### Product properties

Product type	Circular connectors (device side)
Series	RF
Application	Signal
Application	Signal
Number of positions	12
Connection profile	12
Shielded	yes
Coding	N
Thread type	M23

### Dimensions

Housing	
Flange dimensions	26 mm x 26 mm

### 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 <sub>N</sub>	48 V AC 74 V DC
Overshoot category	III
Degree of pollution	3
Rated surge voltage	1.5 kV

### Connection data

Conductor connection	
Connection method	Crimp connection

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Contact connection type	Pin
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## Connector

Type	angled rotatable
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

# RF-12P1N8AAD00 - Device connector front mounting

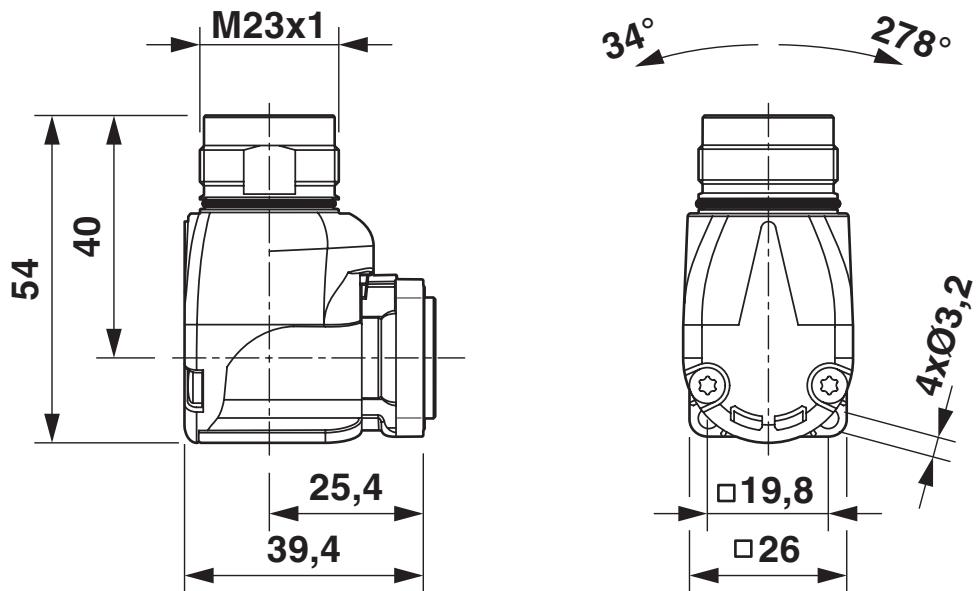


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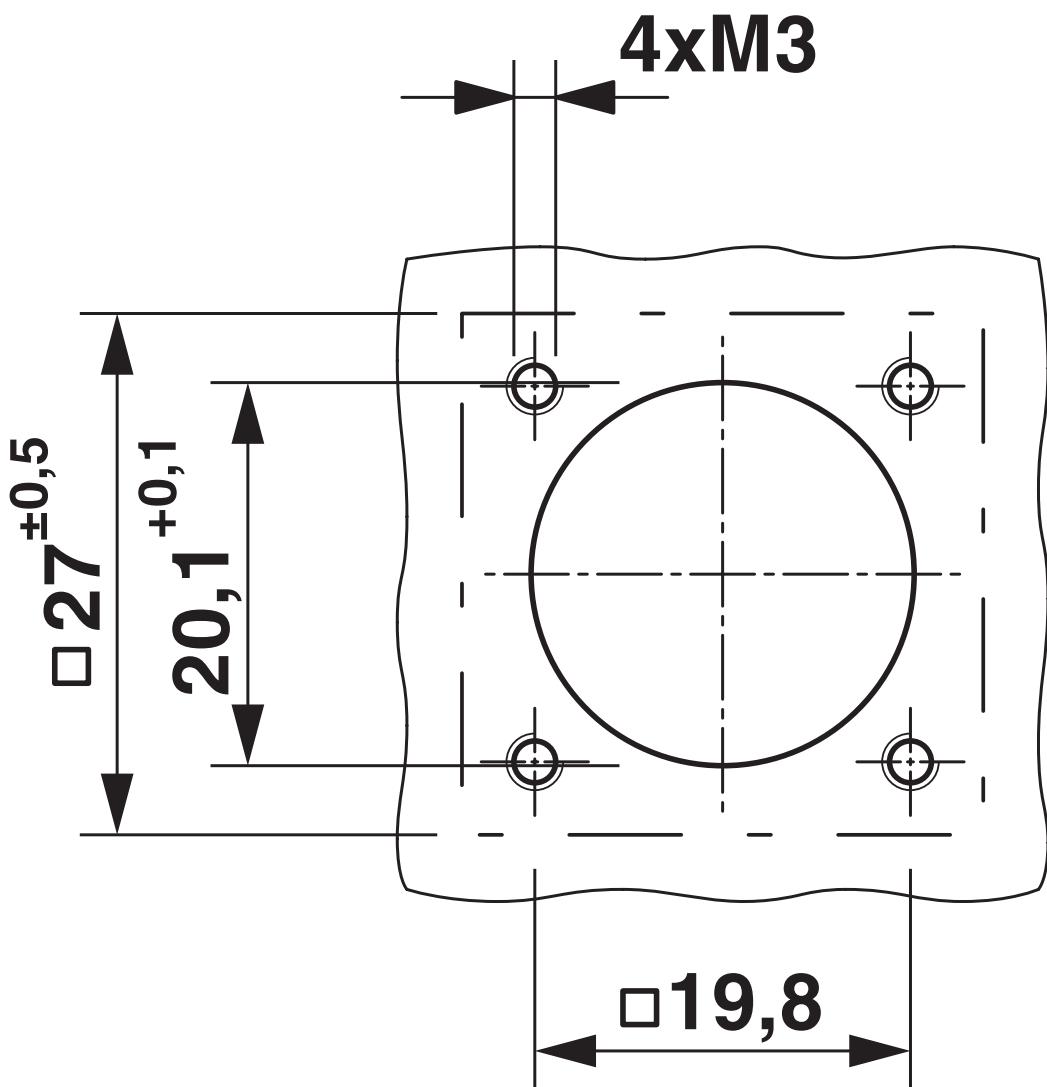
## Drawings

Dimensional drawing



Dimensional drawing

Dimensional drawing



Installation dimensions

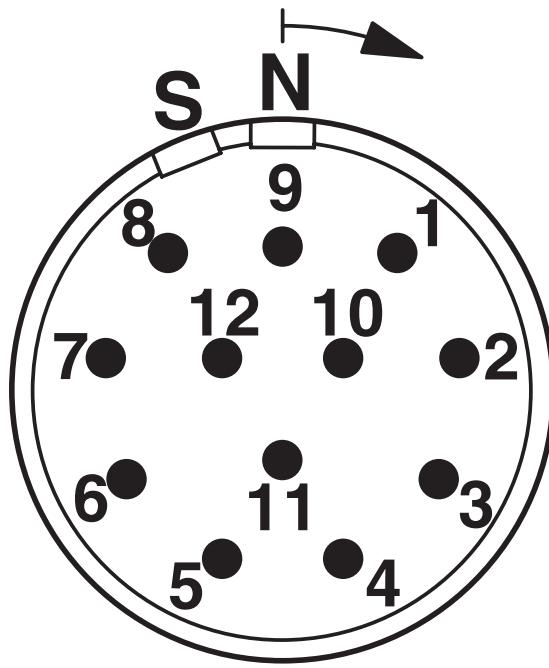
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Schematic diagram



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

## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1607233>

<b>cUL Recognized</b> Approval ID: E153698-20090723				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
	48 V	5 A	20 - 20	-

<b>UL Recognized</b> Approval ID: E153698-20090723				
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<b>cULus Recognized</b>				
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## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

### ETIM

ETIM 9.0	EC002635
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfils EU RoHS substance requirements	Yes, No exemptions
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### 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%
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