

RF-12P1N8AWA00 - Device connector front mounting



1607236

<https://www.phoenixcontact.com/us/products/1607236>

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Device connector front mounting, straight, Screw locking mechanism, M23, number of positions: 12, contact connection type: Pin, Axial O-ring, 4x Ø 3.2, shielded: yes, degree of protection: IP67, 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	1607236
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB33
Product key	ABRAGL
Catalog page	Page 112 (C-2-2019)
GTIN	4046356174930
Weight per piece (including packing)	35.5 g
Weight per piece (excluding packing)	32.79 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	Order crimp contacts Ø 1 mm separately
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Mounting

Mounting	4x Ø 3.2
Connection method	Crimp connection

Product properties

Product type	Circular connectors (device side)
Number of positions	12
Connection profile	12
Application	Signal
	Signal
Series	RF
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	Pin

Connector

Type	straight
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Direction of rotation	Standard
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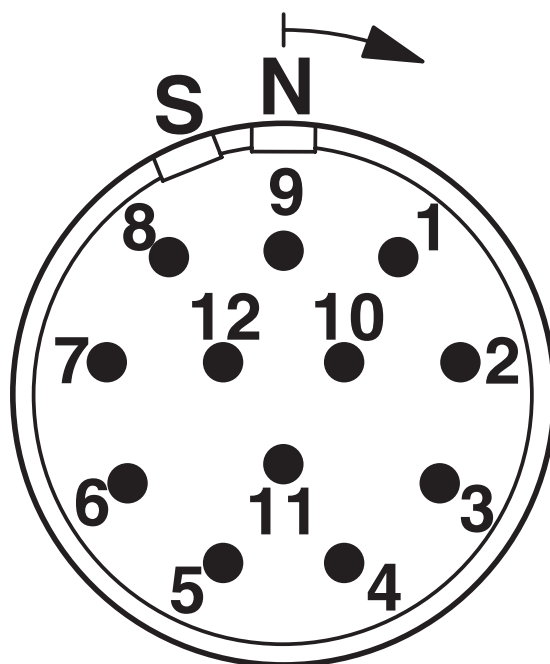
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 125 °C
Altitude	2000 m

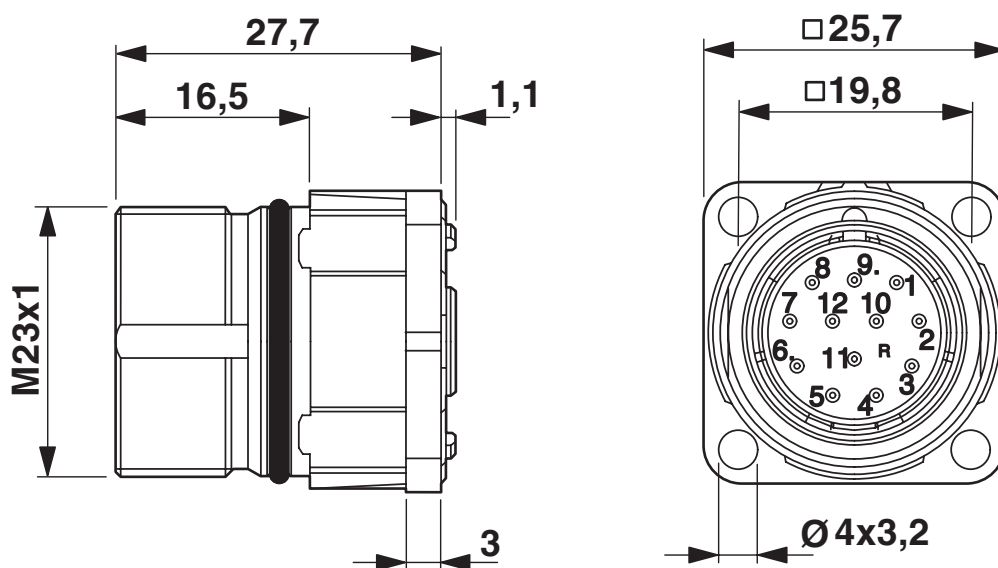
Drawings

Schematic diagram



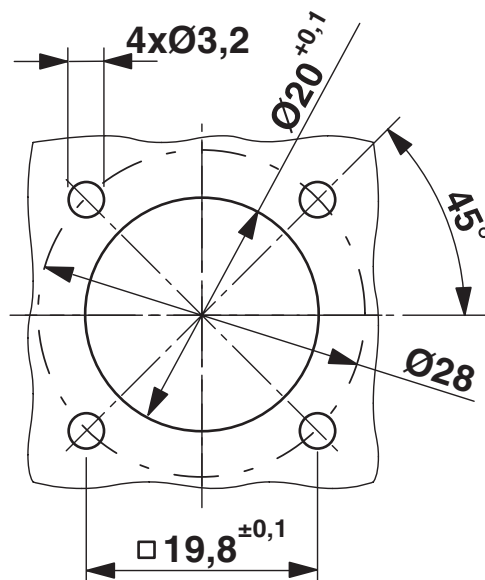
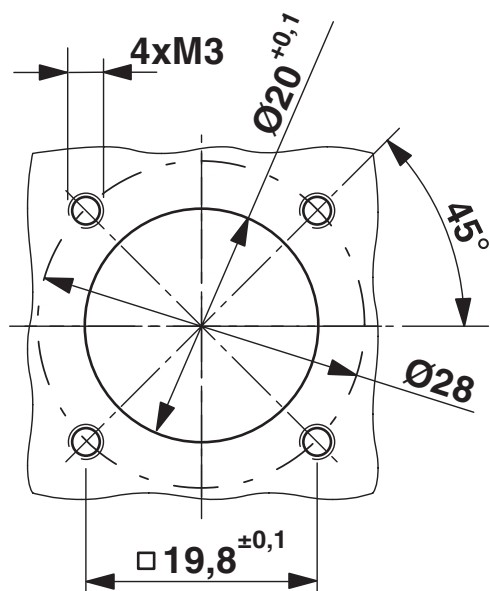
Contact chamber numbering (view of plug-in side), standard pin

Dimensional drawing



Dimensional drawing

Dimensional drawing



Installation dimensions

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Approvals

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 cUL Recognized Approval ID: FILE E 153698				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	5 A	- 20	-

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	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	5 A	- 20	-

cULus Recognized				
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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Accessories

SF-6CP2000 - Crimp contact

1605559

<https://www.phoenixcontact.com/us/products/1605559>



Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.06 mm² ... 0.25 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241921

SF-10KP004 - Crimp contact

1607355

<https://www.phoenixcontact.com/us/products/1607355>



Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm² ... 0.5 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241921

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SF-6AP2000 - Crimp contact

1605554

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Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.25 mm² ... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241921

SF-Z0019 - Protective cap

1607449

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Plastic protection cap, with eye, IP40 for connectors with M23 external thread, RF, SF series

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RC-Z2059 - Protective cap

1604225

<https://www.phoenixcontact.com/us/products/1604225>

Plastic protection cap for connectors with M23 external thread



RC-Z2469 - Protective cap

1611797

<https://www.phoenixcontact.com/us/products/1611797>

Plastic protection cap, antistatic, for RF, SF, CA, RC series connectors, with M23 external thread



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RC-Z2068 - Metal protective cap

1604236

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Metal protective cap, M23, degree of protection: IP67, series: RC, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241735



RC-Z2104 - Metal protective cap

1604260

<https://www.phoenixcontact.com/us/products/1604260>

Metal protective cap, M23, degree of protection: IP67, series: RC, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241739



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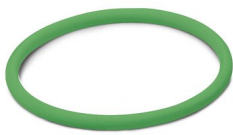
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RF-Z0017 - Color-coding

1620624

<https://www.phoenixcontact.com/us/products/1620624>

Color-coding, color: green



RF-Z0018 - Color-coding

1620625

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Color-coding, color: orange



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RF-Z0019 - Color-coding

1620626

<https://www.phoenixcontact.com/us/products/1620626>

Color-coding, color: anthracite



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