RF-17P1N8AWA00 - Device connector front mounting

1607860

https://www.phoenixcontact.com/us/products/1607860

PHŒNIX CONTACT

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Device connector front mounting, straight, Screw locking mechanism, M23, number of positions: 17, contact connection type: Pin, Axial O-ring, 4x Ø 3.2, shielded: yes, degree of protection: IP67, number of positions: 17, 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
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Commercial data

Item number	1607860
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAFL
Catalog page	Page 112 (C-2-2019)
GTIN	4046356174947
Weight per piece (including packing)	35.5 g
Weight per piece (excluding packing)	31.1 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Order information:	Order crimp contacts Ø 1 mm separately

Mounting

Mounting type	Front mounting
Mounting	4x Ø 3.2

Product properties

Product type	Circular connectors (device side)
Series	RF
Application	Signal
	Signal
Number of positions	17
Connection profile	17
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

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

Drawings

Dimensional drawing

4xM3 Ø20 $^{+0,1}$ 45° Ø28 □19,8 $^{±0,1}$

4xØ3,2 Ø20 $^{+0,1}$ 45° Ø28 □19,8 $^{±0,1}$
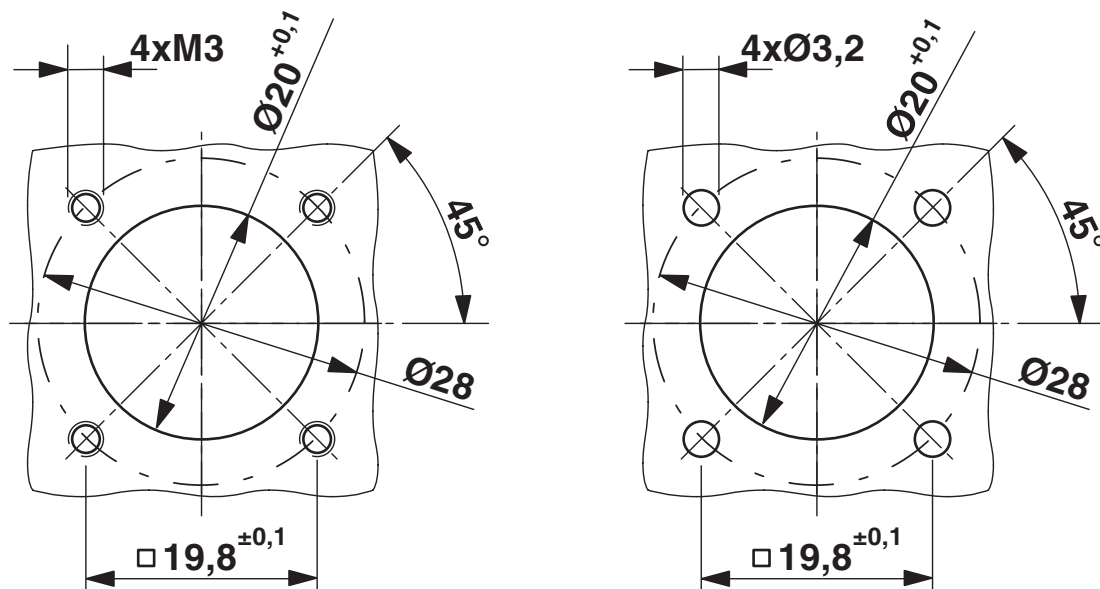
Installation dimensions

Dimensional drawing

27,7
16,5
1,1
M23x1
3

□25,7
□19,8
Ø 4x3,2

8 9
7 12 10 1
6 11 R 2
5 4 3

Dimensional drawing
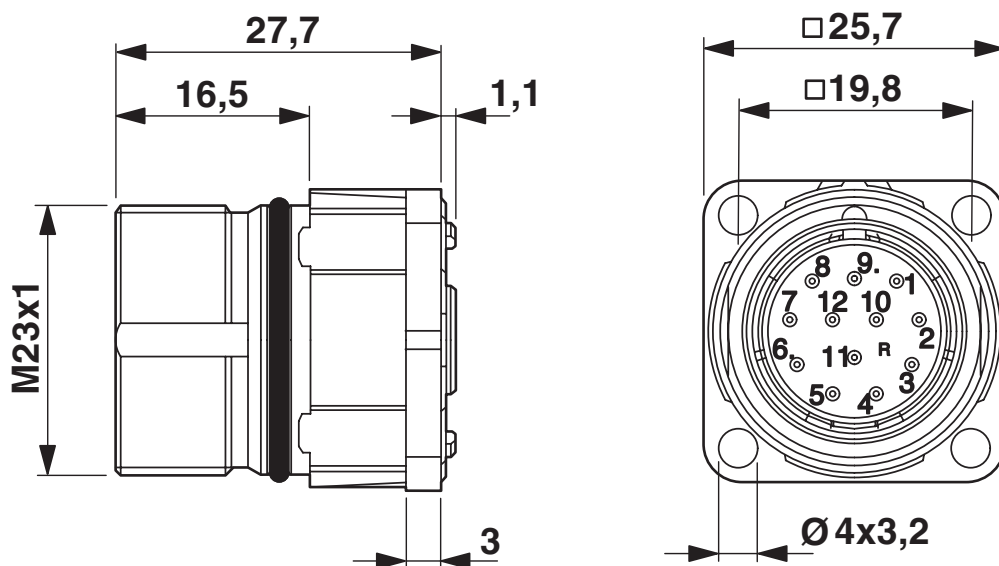
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Schematic diagram
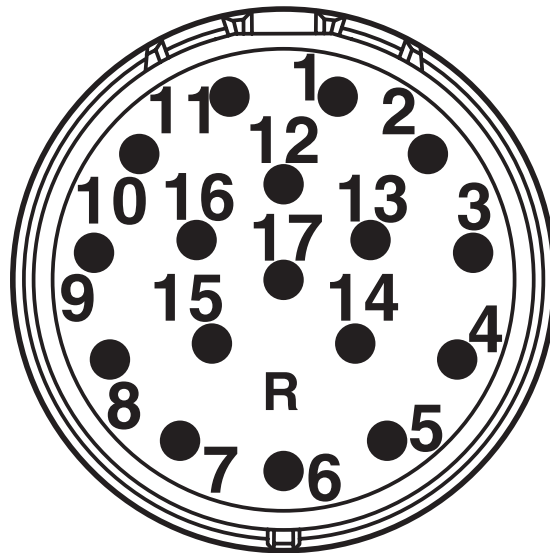
Contact chamber numbering (view of plug-in side), standard pin

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1607860

cUL Recognized
Approval ID: E153698-20090723

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	1 A	26 - 26	-

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	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
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cULus Recognized

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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%

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 mm^2 ... 0.25 mm^2, 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 mm^2 ... 0.5 mm^2, 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

https://www.phoenixcontact.com/us/products/1605554

Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.25 mm^2 ... 1 mm^2, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241921

SF-Z0019 - Protective cap

1607449

https://www.phoenixcontact.com/us/products/1607449

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

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

RC-Z2068 - Metal protective cap

1604236

https://www.phoenixcontact.com/us/products/1604236

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

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RC-Z2104 - Metal protective cap

1604260

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

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

RF-Z0017 - Color coding

1620624

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Color coding, color: green

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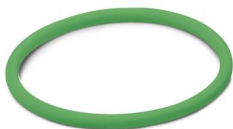
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RF-Z0018 - Color coding

1620625

https://www.phoenixcontact.com/us/products/1620625

Color coding, color: orange
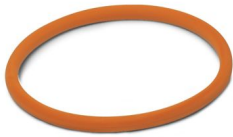
RF-Z0019 - Color coding

1620626

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

Color coding, color: anthracite

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PROT-M23PRO-OT-IP20 - Plastic protective cap

1055753

https://www.phoenixcontact.com/us/products/1055753

Plastic protective cap, M23, degree of protection: IP20, series: M23 PRO

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