RF-17S1N8AAD00 - Device connector front mounting

1607345

https://www.phoenixcontact.com/us/products/1607345

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Device connector front mounting, angled rotatable, Screw locking mechanism, M23, number of positions: 17, contact connection type: Socket, Axial O-ring, 4x Ø 3.2, shielded: yes, flange dimensions: 26 mm x 26 mm, degree of protection: IP67, number of positions: 17, 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	1607345
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAGM
Catalog page	Page 112 (C-2-2019)
GTIN	4046356269278
Weight per piece (including packing)	119.3 g
Weight per piece (excluding packing)	53.67 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

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_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	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

1607345

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Drawings

Schematic diagram
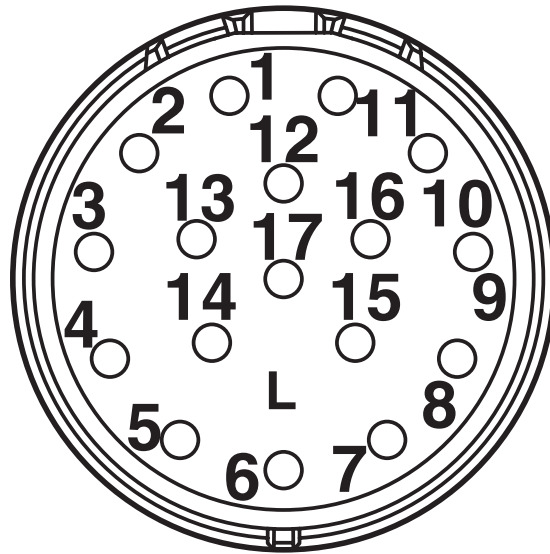
Contact chamber numbering (view of plug-in side), standard socket

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Dimensional drawing

4xM3

$\square 27^{\pm 0,5}$

$20,1^{+0,1}$

$\square 19,8$
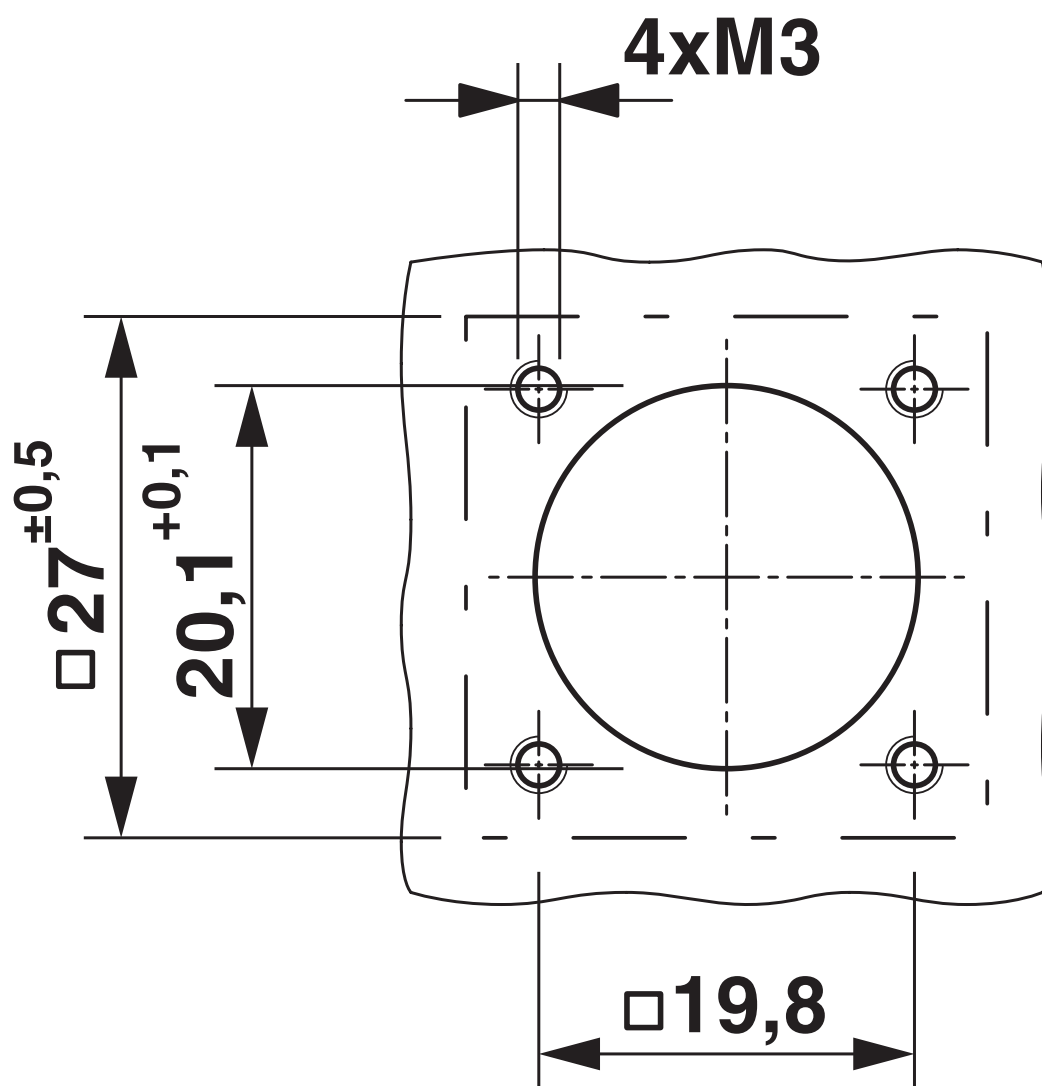
Installation dimensions

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Dimensional drawing

M23x1

54 40

25,4
39,4

34° 278°

4xØ3,2

□19,8
□26

Dimensional drawing

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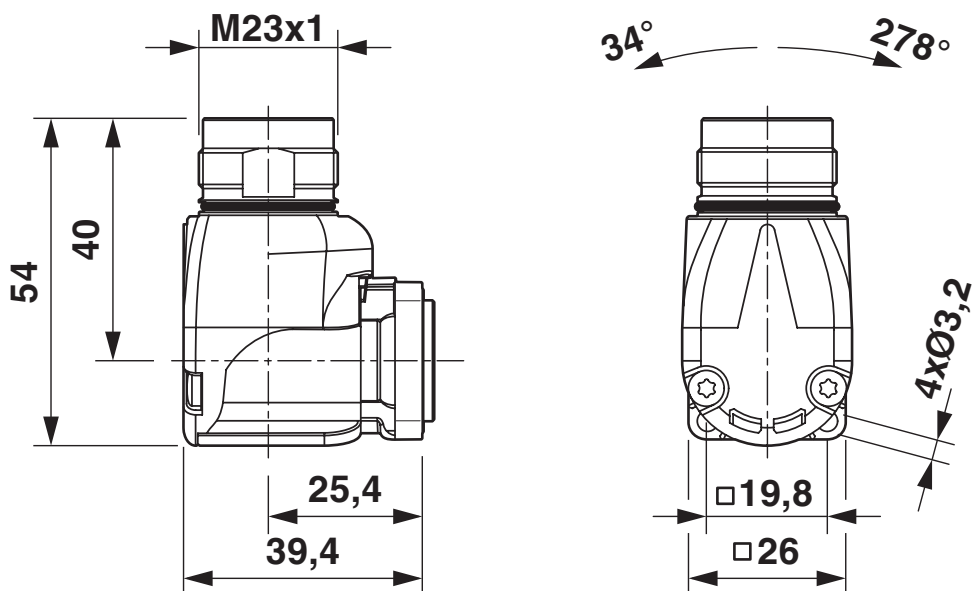
Approvals

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1607345

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	-

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

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-6CS2000 - Crimp contact

1605562

https://www.phoenixcontact.com/us/products/1605562

Crimp contact, Socket, 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.: 1241922

SF-10KS004 - Crimp contact

1607356

https://www.phoenixcontact.com/us/products/1607356

Crimp contact, Socket, 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.: 1241922

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1607345

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SF-6AS2000 - Crimp contact

1605557

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Crimp contact, Socket, 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.: 1241922

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

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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

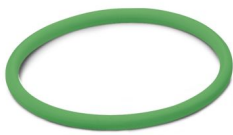# RF-17S1N8AAD00 - Device connector front mounting

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RF-Z0017 - Color coding

1620624

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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

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Color coding, color: anthracite

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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