

RF-12S1N8AWB00 - Device connector front mounting



1607830

<https://www.phoenixcontact.com/us/products/1607830>

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Device connector front mounting, straight, Screw locking mechanism, M23, number of positions: 12, contact connection type: Socket, Axial O-ring, 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	1607830
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAGL
GTIN	4046356174893
Weight per piece (including packing)	30.1 g
Weight per piece (excluding packing)	28.41 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

Order information:	Order crimp contacts Ø 1 mm separately
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Mounting

Mounting type	Front mounting/square flange (4x Ø 3.2 mm)
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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

Material specifications

Material Housing	GD-Zn
Material Rotating parts	CuZn
Material Housing surface	Ni
Material Insulating body	PA 6.6
Material Seal	FPM (O-ring)

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
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Direction of rotation

Standard

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-20 °C ... 125 °C
Altitude	2000 m

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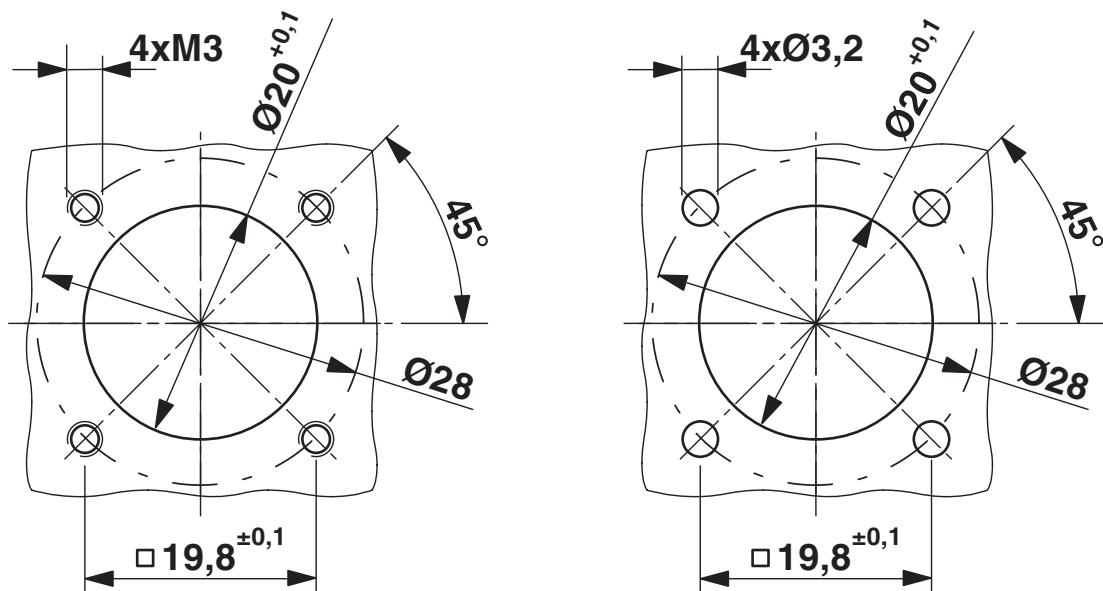


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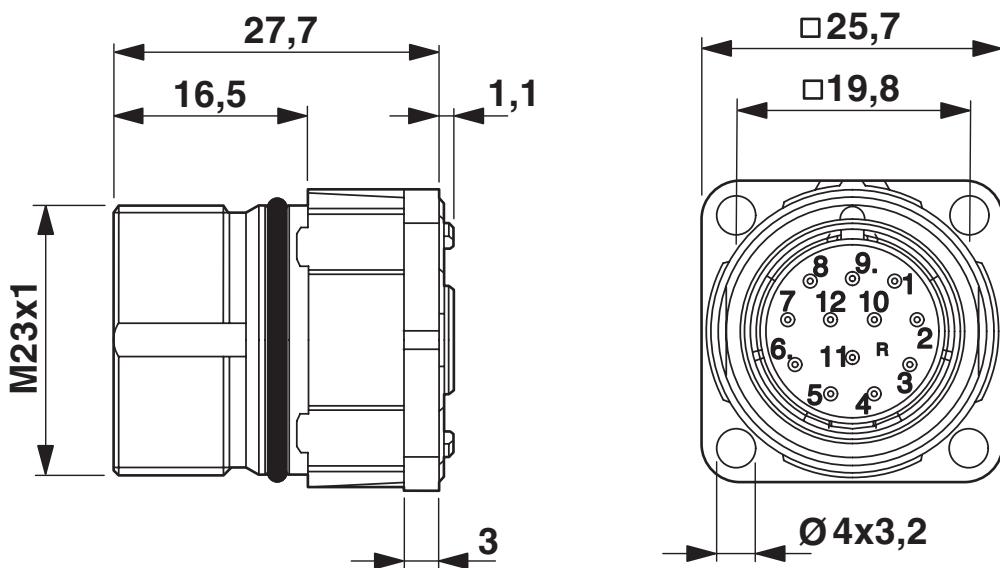
Drawings

Dimensional drawing



Installation dimensions

Dimensional drawing



Dimensional drawing

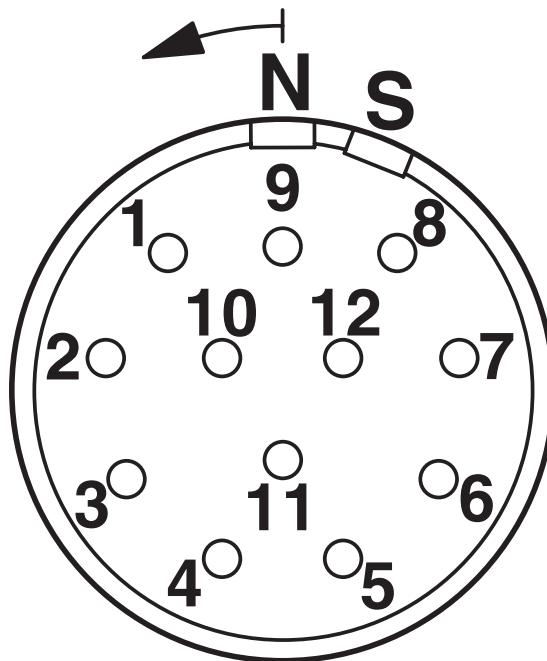
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Schematic diagram



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

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Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1607830>

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

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Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 9.0	EC003569
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills 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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