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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: 28 mm x 28 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	1607814
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABRAGM
Product key	ABRAGM
Catalog page	Page 112 (C-2-2019)
GTIN	4046356268219
Weight per piece (including packing)	124.7 g
Weight per piece (excluding packing)	3.31 g
Customs tariff number	85366990
Country of origin	DE

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
	Signal
Number of positions	12
Connection profile	12
Shielded	yes
Coding	N
Thread type	M23

Data management status

Article revision	07
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Dimensions

Housing

Flange dimensions	28 mm x 28 mm
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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

RF-12P2N8AAC00 - Device connector front mounting



1607814

<https://www.phoenixcontact.com/gb/products/1607814>

Conductor connection

Connection method	Crimp connection
Contact connection type	Pin

Connector

Type	angled rotatable
Direction of rotation	Counter direction

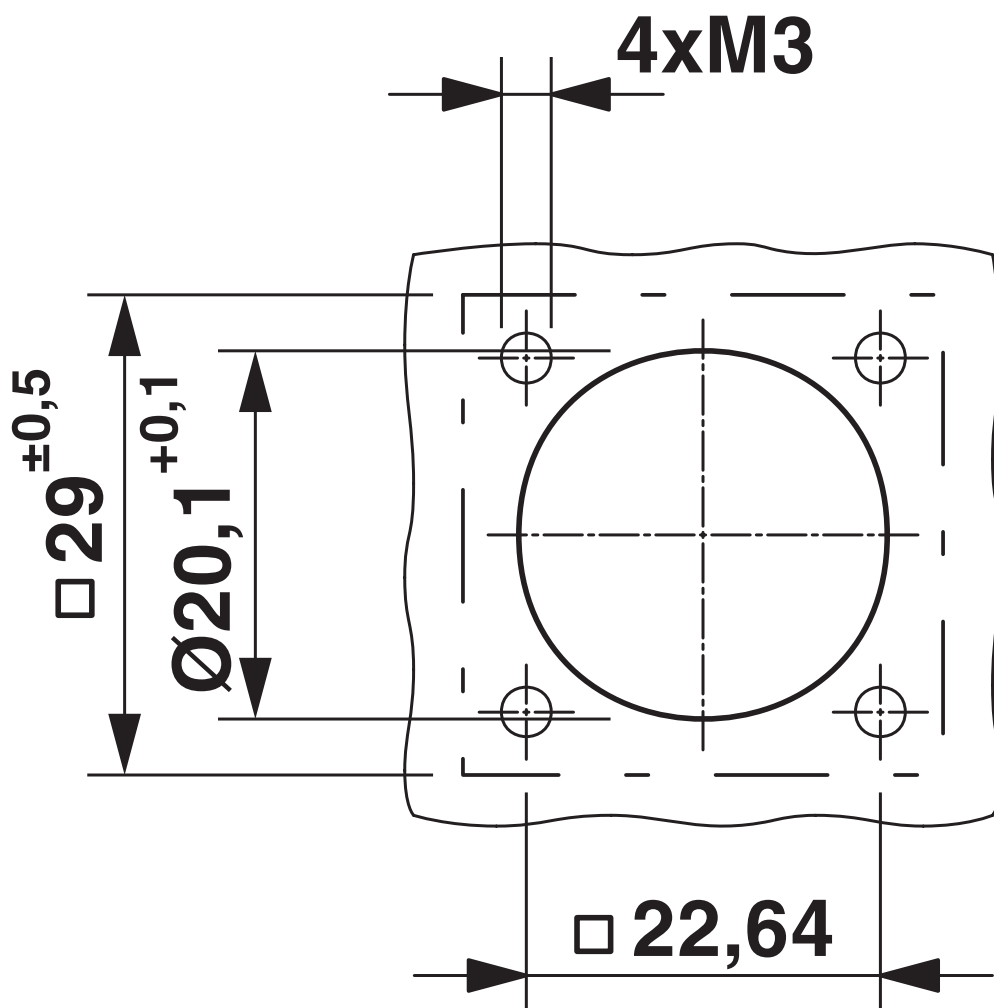
Environmental and real-life conditions

Ambient conditions

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

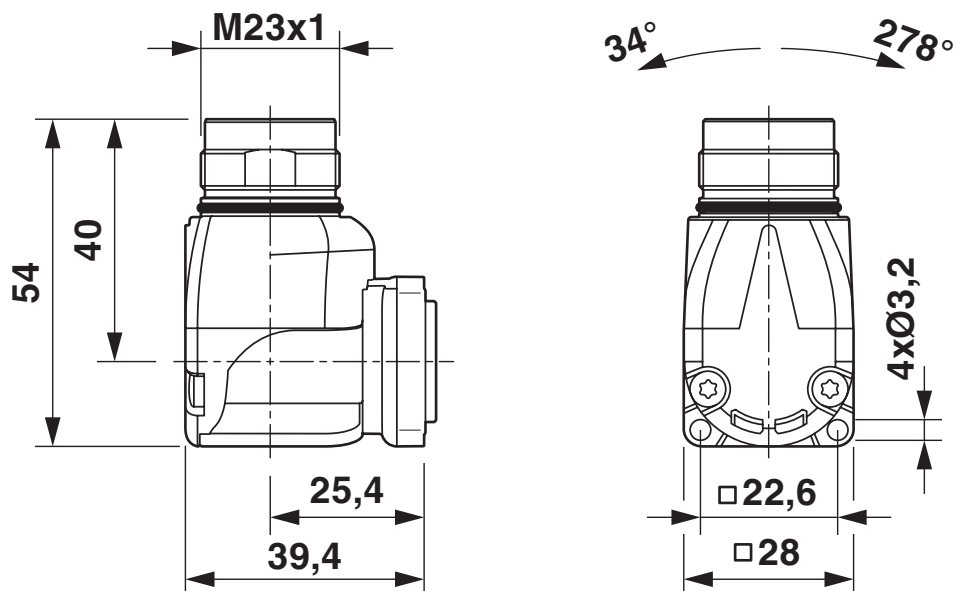
Drawings

Dimensional drawing



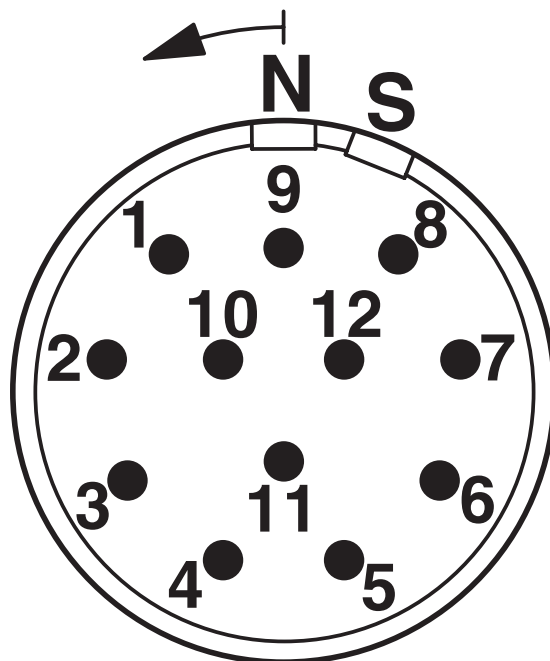
Drill holes

Dimensional drawing



Dimensional drawing

Schematic diagram



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

RF-12P2N8AAC00 - Device connector front mounting



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1607814>

cUL Recognized 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	-

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cULus Recognized				
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RF-12P2N8AAC00 - Device connector front mounting



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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	
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%

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PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk