RF-17P1N8AWA00 - Device connector front mounting

1607860

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

CRIMP



The figure shows the 12-pos. product version

Device connector front mounting, application: Signal, straight, Screw locking mechanism, M23, number of positions: 17, contact connection type: Pin, Axial O-ring, shielded: yes, number of positions: 17, connection method: Crimp connection, series: RF, This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives. Alternative products: 1629086

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
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

Item number	1607860
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAGL
GTIN	4046356174947
Weight per piece (including packing)	35.5 g
Weight per piece (excluding packing)	30.969 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/square flange (4x Ø 3.2 mm)

Product properties

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

Connector

Type	straight
Direction of rotation	Standard

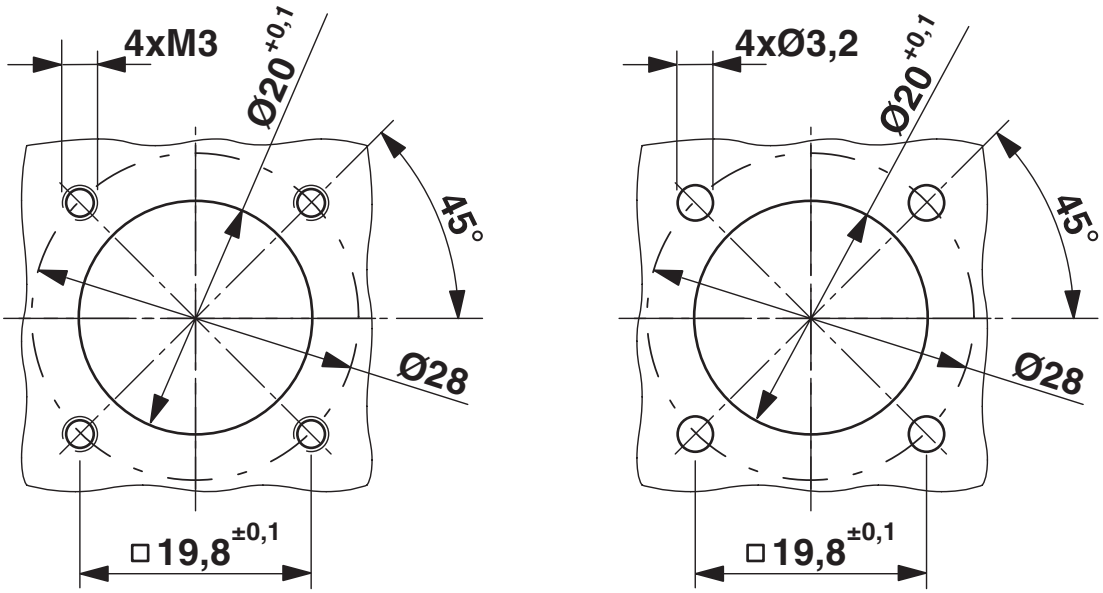
Environmental and real-life conditions

Ambient conditions

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

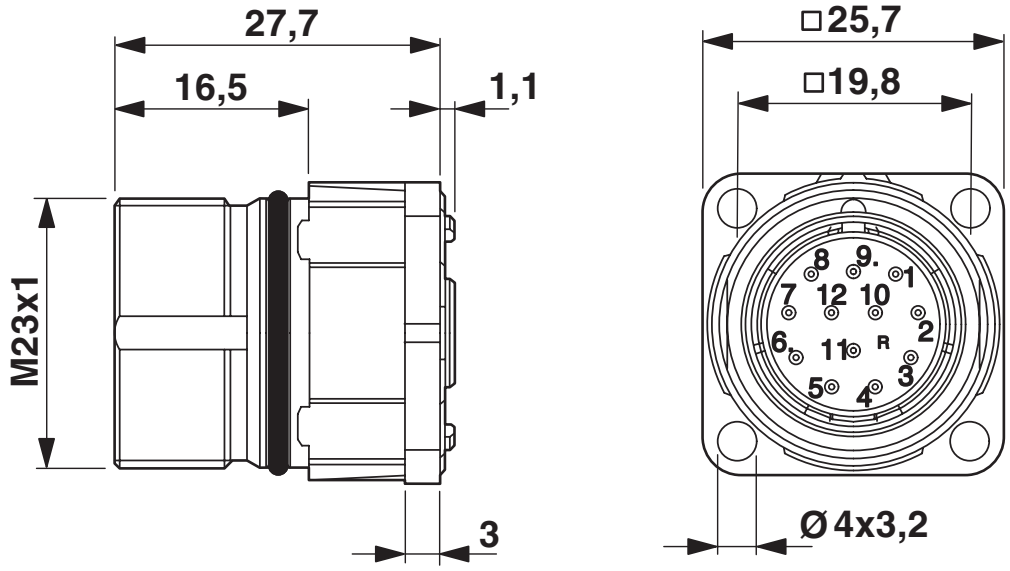
Drawings

Dimensional drawing



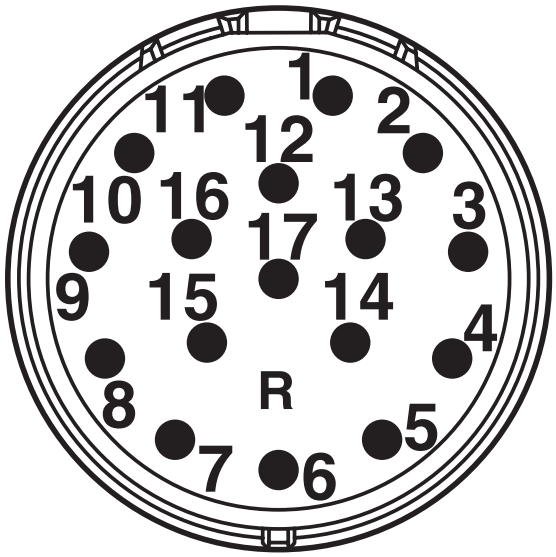
Installation dimensions

Dimensional drawing



Dimensional drawing

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
keine				
	48 V	1 A	26	-

UL Recognized
Approval ID: E153698-20090723

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

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 10.0	EC003569

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%

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com