PHŒNIX CONTACT

Device connector, front mounting - RF-12S1N8AWB00 - 1607830

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Device connector, front mounting, straight, Screw locking, M23, number of positions: 12, type of contact: Socket, Axial O-ring, 4x Ø 3.2, shielded: yes, number of positions: 12, connection method: Crimp connection

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

RoHS

CRIMP IP67

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 174893
GTIN	4046356174893

Technical data

General

Note	Order information: Order crimp contacts Ø 1 mm separately
Type of locking	Screw locking
Direction of rotation of contact chamber numbering	Standard
Coding	N
Contact connection method	Crimp connection
Type of contacts	Socket
Number of positions	12
Contact diameter of power contacts	1 mm
Rated current for power contacts	8 A
Pg housing screw connection	none
Mounting type	4x Ø 3.2

Ambient conditions

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Technical data

Ambient conditions

Ambient temperature	-20 °C ... 125 °C
Degree of protection	IP67

Material

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

Specifications according to DIN EN 61984:2001

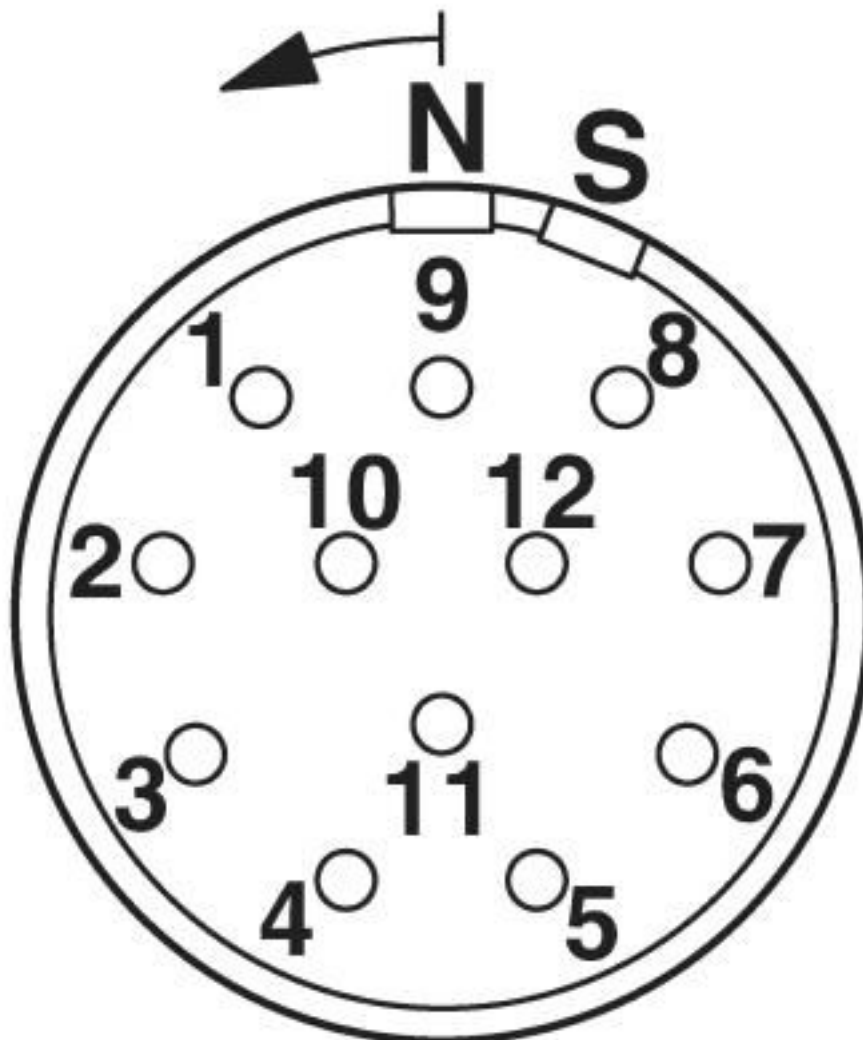|	
Installation height max.	2000 m
Nominal / operating voltage of power contacts	150 V
Rated surge voltage of power contacts	2.5 kV
Overvoltage category of power contacts	III
Degree of pollution of power contacts	3
Overvoltage category of signal contacts	III
Degree of pollution of signal contacts	3

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

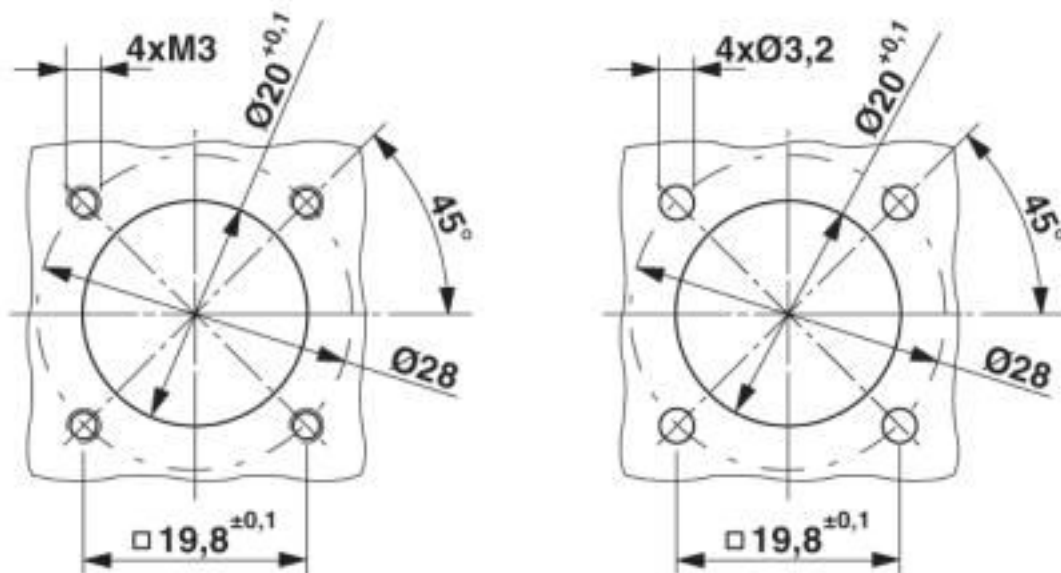# Device connector, front mounting - RF-12S1N8AWB00 - 1607830

Schematic diagram

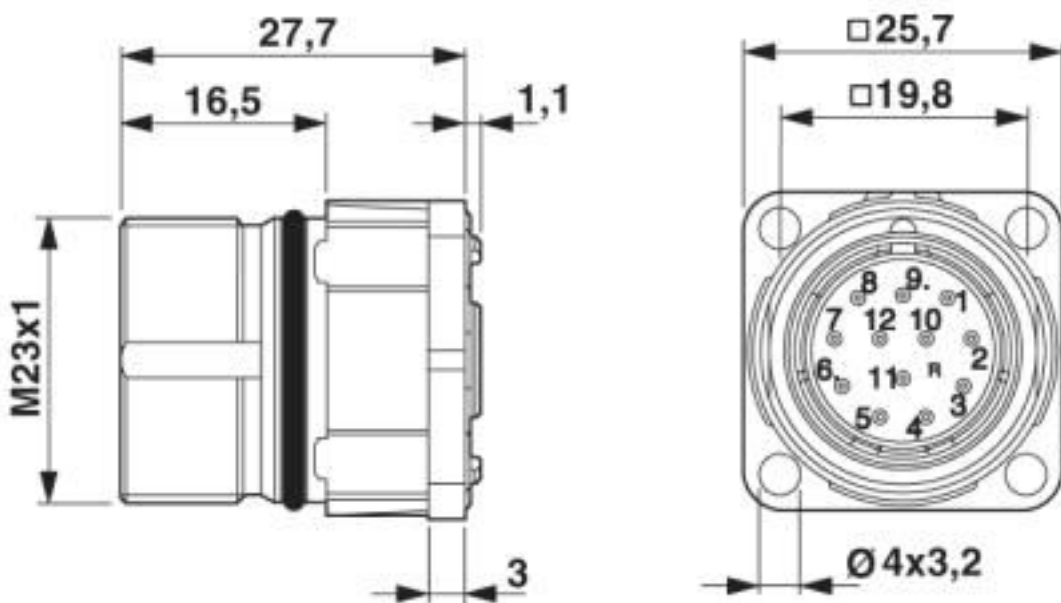Contact chamber numbering (view of plug-in side), standard socket

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Dimensional drawing

Installation dimensions

Dimensional drawing

Dimensional drawing

Classifications

eCl@ss

eCl@ss 10.0.1	27440102

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Classifications

eCl@ss

eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440103
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002061
ETIM 6.0	EC002061

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC	EAC	B.01687

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Accessories

Accessories

Crimp contact

Crimp contact - SF-6CS2000 - 1605562

Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.06 mm² ... 0.25 mm²

Crimp contact - SF-10KS004 - 1607356

Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm² ... 0.5 mm²

Crimp contact - SF-6AS2000 - 1605557

Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.25 mm² ... 1 mm²

Mounting material

Color-coding - RF-Z0017 - 1620624

Color-coding, color: green

Color-coding - RF-Z0018 - 1620625

Color-coding, color: orange

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Accessories

Color-coding - RF-Z0019 - 1620626

Color-coding, color: anthracite

Contact removal tool - RF-Z0001 - 1607904

Unlocking tool for contact carriers for snapping in the M23 feedback device connectors

Protective cover

Protective cap - SF-Z0019 - 1607449

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

Protective cap - RC-Z2059 - 1604225

Plastic protection cap for connectors with M23 external thread

Plastic anti-static dust protection cap - RC-Z2469 - 1611797

Plastic protection cap, antistatic, for RF, SF, CA, RC series connectors, with M23 external thread

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Accessories

Metal protective cap - RC-Z2068 - 1604236

Metal protection cap with steel wire for signal connectors with M23 external thread

Metal protective cap - RC-Z2104 - 1604260

Metal protection cap for signal connectors with M23 external thread

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