M23-12S1N8AW500S - Device connector front mounting

1629089

https://www.phoenixcontact.com/us/products/1629089

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The figure shows the product with assembled crimp contacts. Please order crimp contacts separately.

M23, Device connector front mounting, application: Signal, series: M23 PRO Signal, straight, shielded: yes, for standard and ONECLICK fast locking system, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, flange dimensions: 26 mm x 26 mm, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

Your advantages

- Solutions with cross-manufacturer compatibility for standard and fast locking systems
- Modern, consistent design for highly convenient operation
- Crimping connection: vibration- and temperature-resistant assembly
- All housing can be fitted with pin or socket contacts
- Safe use in the field, thanks to high degree of protection

Commercial data

Item number	1629089
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB30
Product key	ABRABL
GTIN	4055626763002
Weight per piece (including packing)	40.7 g
Weight per piece (excluding packing)	24.232 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

Order information:	Order 12 x 1 mm crimp contacts separately
Notes on operation	Please observe the derating curve.

Product properties

Product type	Circular connectors (device side)
Product family	M23 PRO

Connector

Insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Insertion/withdrawal cycles	100
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Installation height	2000 m
Number (Signal contacts)	12
Contact diameter (Signal contacts)	1 mm
Litz wires Min. cross section (Signal contacts)	0.08 mm²
Litz wires Max. cross section (Signal contacts)	1 mm²
Rated current Contact (Signal contacts)	8 A (for max. connection cross section)
Rated voltage Contact (Signal contacts)	150 V
Rated surge voltage	2.5 kV
Overvoltage category	III
Degree of pollution	3

Housing

Type	Flange housing
Thread type	M23
Design	straight
Type of locking	for standard and ONECLICK fast locking system
Pg screw connection	none
Mounting type	Front mounting/square flange (4x Ø 3.2 mm)
Flange dimensions	26 mm x 26 mm
Housing material	GD-Zn
Seal material	FKM

Degree of protection (plugged in)	IP66/IP68 (2 m / 24 h)

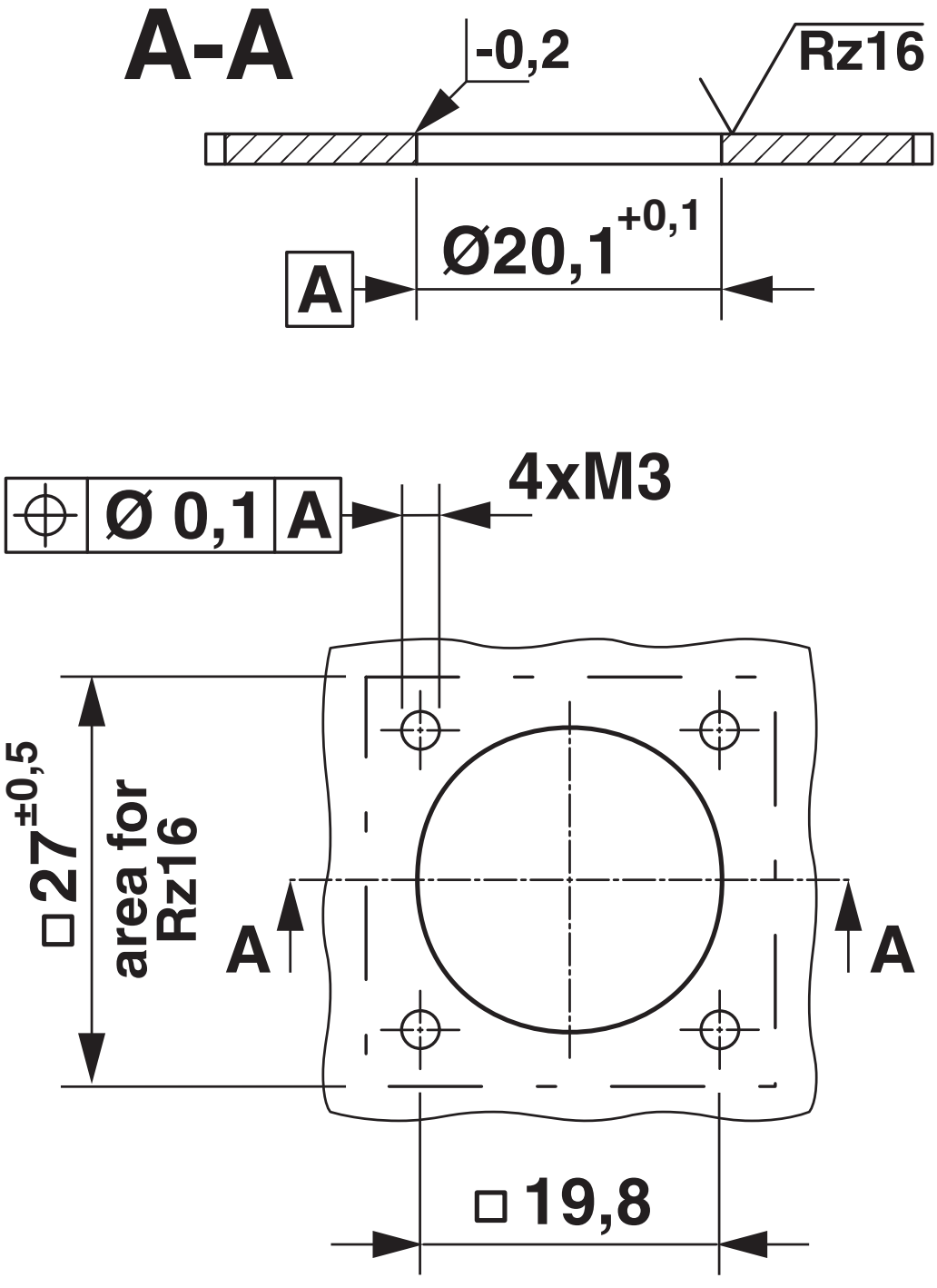
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP68
Ambient temperature (operation)	-40 °C ... 105 °C (see to derating)
Altitude	2000 m
Permanent temperature	125 °C (DIN EN 60512-9-2 / 1000 h)

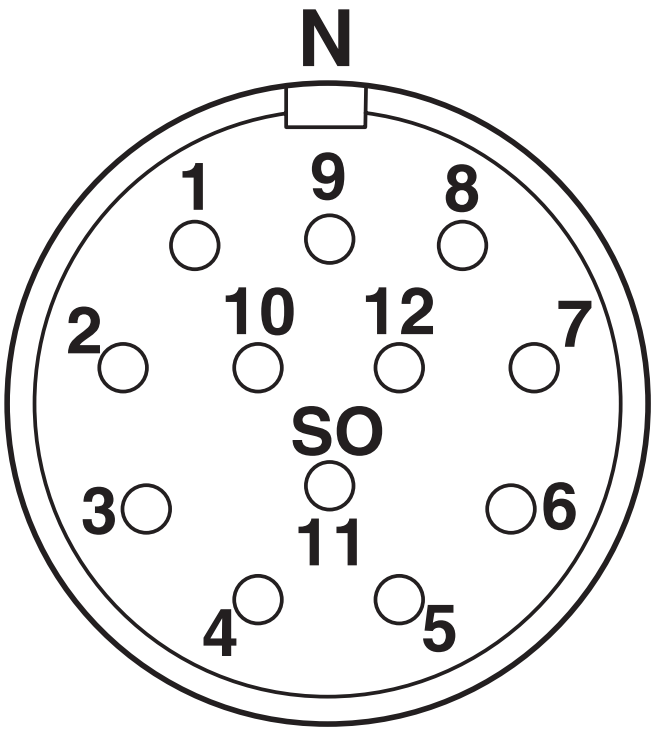
Drawings

Dimensional drawing



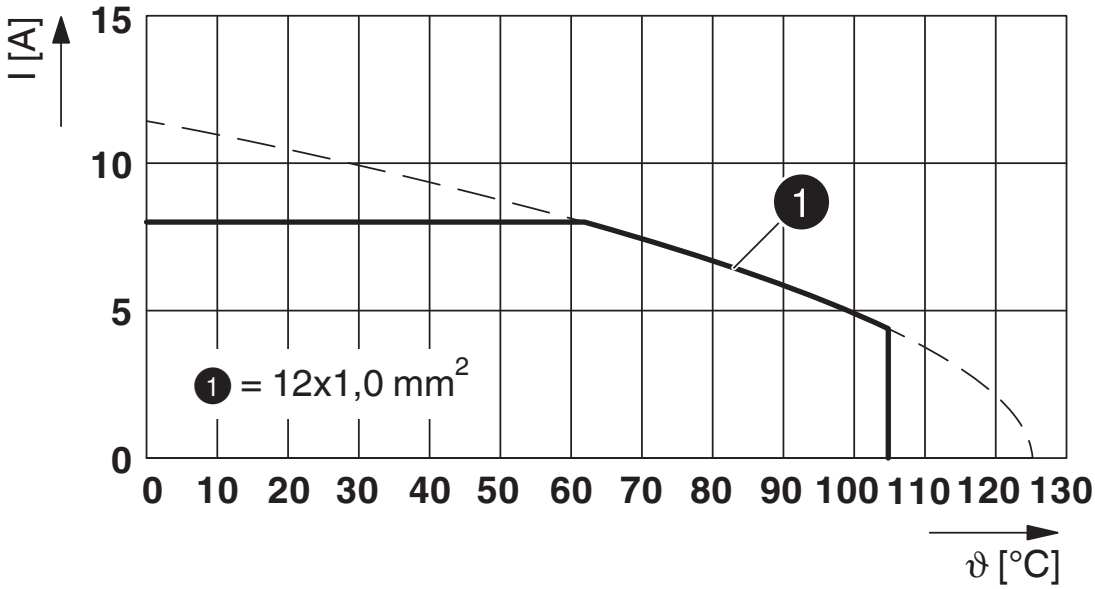
Installation dimensions

Schematic diagram



Connector pin assignment

Diagram



I = current strength, ϑ = ambient temperature, 12x 8 A

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1629089

cUL Recognized
Approval ID: E335019-20141210

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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%

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