

M17-17S1N8AW600S - Device connector front mounting



1628925

<https://www.phoenixcontact.com/us/products/1628925>

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.



M17, Device connector front mounting, series: M17 PRO, straight, shielded: yes, for standard and ONECLICK fast locking system, No. of pos.: 17, contact connection type: Socket, Crimp connection, flange dimensions: 28 mm x 28 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	1628925
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB30
Product key	ABRAAL
GTIN	4055626707006
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85366990
Country of origin	DE

M17-17S1N8AW600S - Device connector front mounting



1628925

<https://www.phoenixcontact.com/us/products/1628925>

Technical data

Notes

Order information:	Order 17 x 0.6 mm crimp contacts separately
Safety note	
Safety note	<p>WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.</p> <ul style="list-style-type: none">• WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.• WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.• The products are suitable for applications in plant, controller, and electrical device engineering.• When operating the connectors in outdoor applications, they must be separately protected against environmental influences.• Assembled products may not be manipulated or improperly opened.• Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products).• When using the product in direct connection with third-party manufacturers, the user is responsible.• For operating voltages > 50 V AC, conductive connector housings must be grounded• Ensure that the protective or functional ground has been properly connected.• VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector• Only use tools recommended by Phoenix Contact• The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.• Operate the connector only when it is fully plugged in and interlocked.• Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.• Observe the minimum bending radius of the cable. Lay the cable without twisting it.• The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting

M17-17S1N8AW600S - Device connector front mounting



1628925

<https://www.phoenixcontact.com/us/products/1628925>

warnings (e.g. DIN EN ISO 13732-1:2008-12).

Product properties

Product type	Circular connectors (device side)
--------------	-----------------------------------

Material specifications

Flammability rating according to UL 94	V0
--	----

Connector

Insulating body

Coding	N
Insertion/withdrawal cycles	100
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	17
Connection profile	17
Contact diameter	0.6 mm
Litz wire cross-section	0.06 mm ²
Litz wire cross-section	0.5 mm ²
Nominal current per signal contact	3.6 A
Note	for max. connection cross section
Rated surge voltage	1.5 kV
Overvoltage category	II
Degree of pollution	3
Installation height	3000 m

Housing

Housing material	GD-Zn
Flange dimensions	28 mm x 28 mm
Type of locking	for standard and ONECLICK fast locking system
Degree of protection (plugged in)	IP67
	IP68, 24 h / 2 m
Thread type	M17

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 105 °C (see derating curve)
Ambient temperature (storage/transport)	15 °C ... 25 °C
Permissible humidity (storage/transport)	50 % ... 65 %

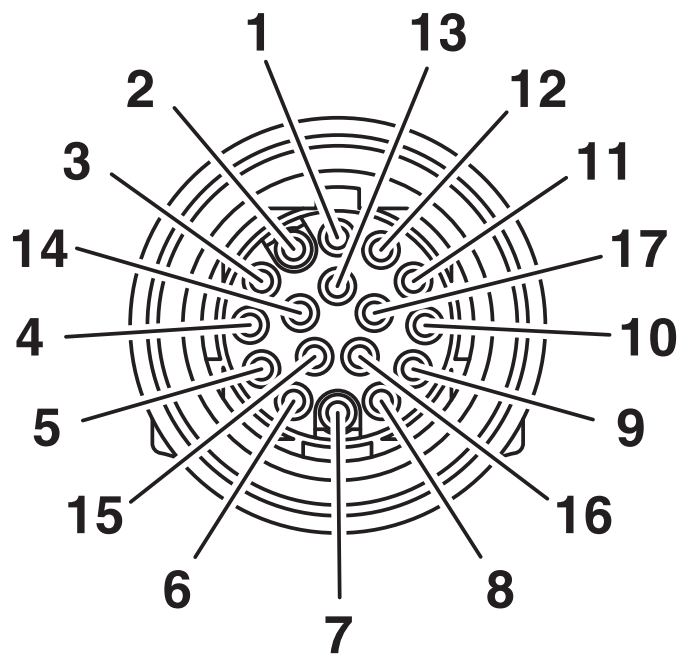
M17-17S1N8AW600S - Device connector front mounting

1628925

<https://www.phoenixcontact.com/us/products/1628925>

Drawings

Schematic diagram



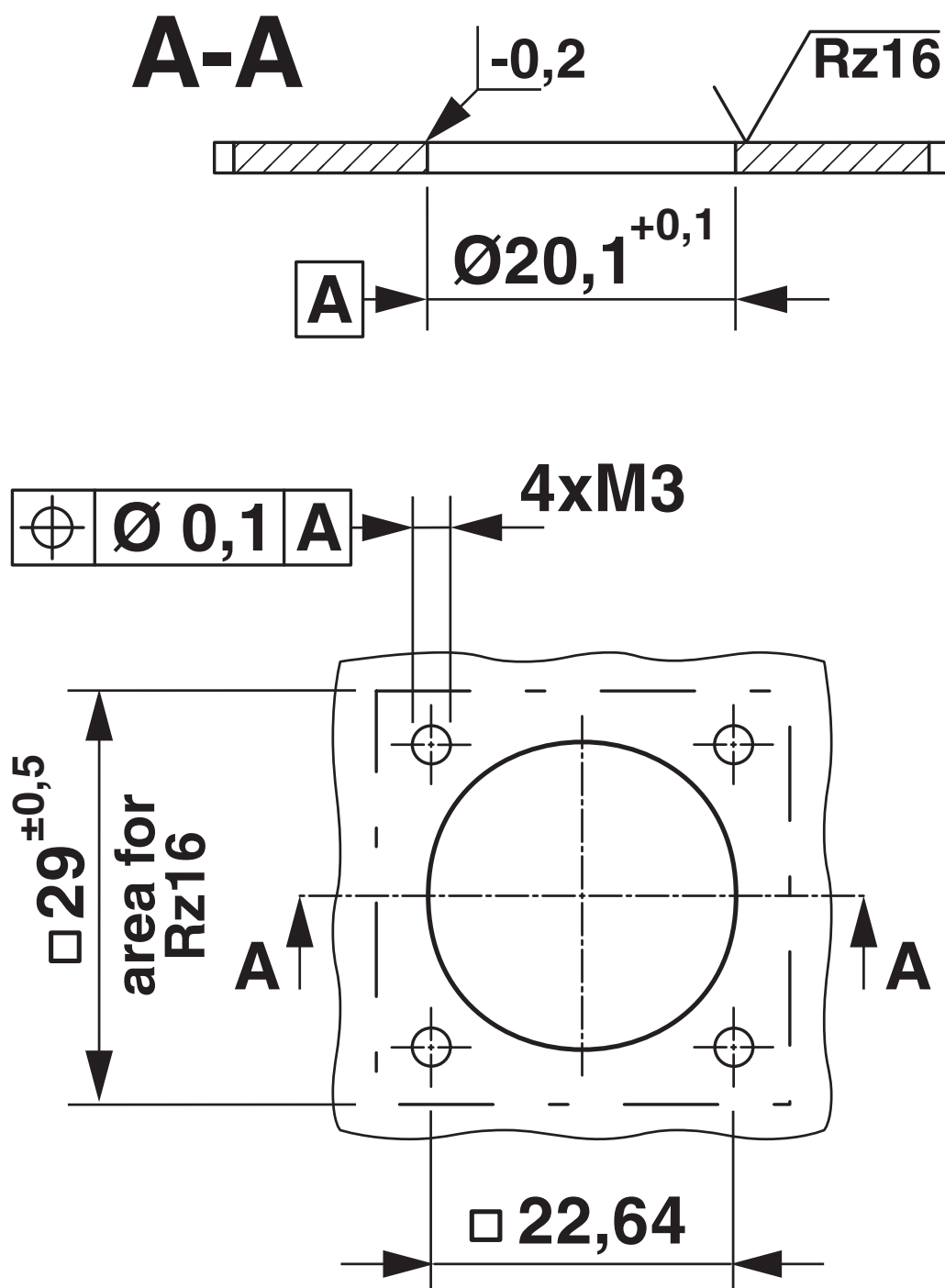
Connector pin assignment

M17-17S1N8AW600S - Device connector front mounting

1628925

<https://www.phoenixcontact.com/us/products/1628925>

Dimensional drawing



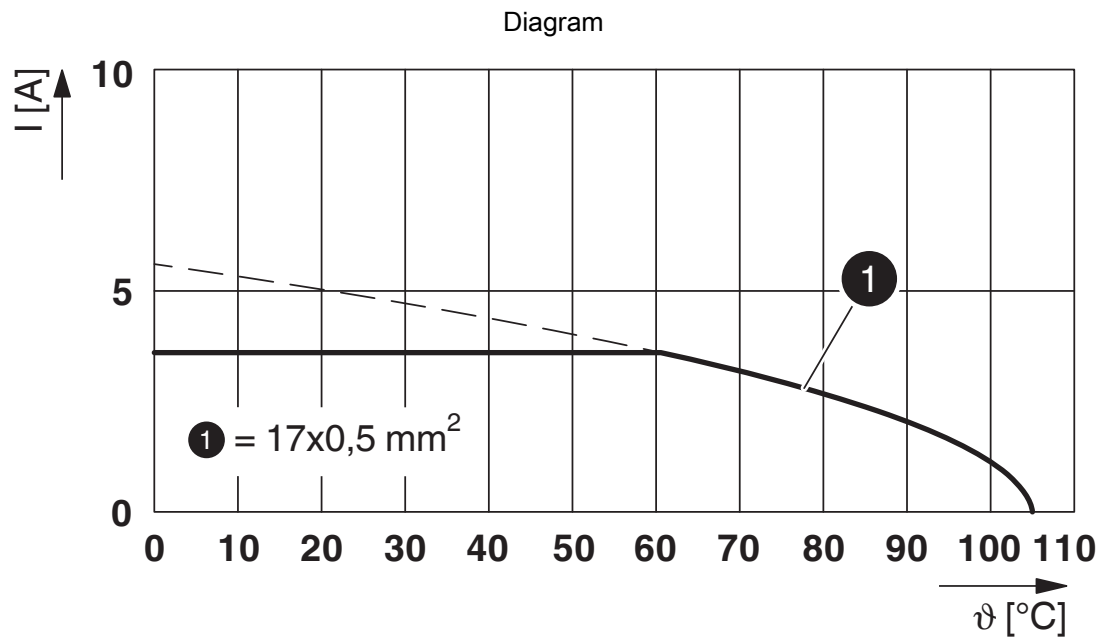
Installation dimensions

M17-17S1N8AW600S - Device connector front mounting



1628925

<https://www.phoenixcontact.com/us/products/1628925>



I = current strength, T = ambient temperature

M17-17S1N8AW600S - Device connector front mounting




1628925

<https://www.phoenixcontact.com/us/products/1628925>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1628925>

	cULus Listed Approval ID: E221474-20230803			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	60 V	1 A	0,5	-

M17-17S1N8AW600S - Device connector front mounting



1628925

<https://www.phoenixcontact.com/us/products/1628925>

Classifications

ECLASS

ECLASS-11.0	27440109
ECLASS-12.0	27440109
ECLASS-13.0	27440109

ETIM

ETIM 9.0	EC003569
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

M17-17S1N8AW600S - Device connector front mounting



1628925

<https://www.phoenixcontact.com/us/products/1628925>

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 2025 © - 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