

TU-16S1N12WB00 - Device connector front mounting



1612601

<https://www.phoenixcontact.com/us/products/1612601>

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M23, Device connector front mounting, application: Signal, series: TU, straight, shielded: yes, Bayonet locking, No. of pos.: 16, Direction of rotation: Standard, contact connection type: Socket, Solder cup, Axial O-ring, Panel thickness min.: 1.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1242652

Commercial data

Item number	1612601
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAHL
GTIN	4046356271127
Weight per piece (including packing)	83.4 g
Weight per piece (excluding packing)	42.11 g
Country of origin	DE

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Technical data

Product properties

Product type	Circular connector (cable-side)
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Connector

Insulating body

Coding	N
Material (Insulating body)	PBT
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	50
Connection method	Solder cup
Contact switching type	Socket
Application	Signal
Number of positions	16
Direction of rotation	Standard
Connection profile	16
Number (Contact group 1)	16
Contact diameter (Contact group 1)	1 mm
Litz wires Min. cross section (Contact group 1)	0.08 mm ²
Litz wires Max. cross section (Contact group 1)	1 mm ²
Rated current Contact (Contact group 1)	8 A (for max. connection cross section)
Rated voltage Contact (Contact group 1)	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

Housing

Order information:	Order contact inserts separately
Type	Flange housing
Thread type	M23
Design	straight
Type of locking	Bayonet locking
Pg screw connection	none
Mounting type	Front mounting/square flange (4x Ø 3.2 mm)
Material (Housing)	GD-Zn
Material (Rotating parts)	CuZn
Material (Housing surface)	Ni
Material (Seal)	FPM (O-ring)
Seal material	FPM or NBR or EPDM
Degree of protection (plugged in)	IP67

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Seal for the device	Axial O-ring
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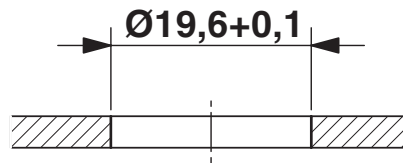
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Drawings

Dimensional drawing

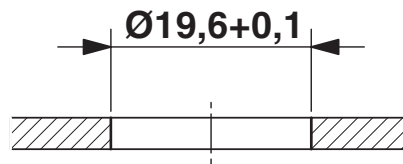
4xØ3,2/M3/□19,8±0,1



Installation dimensions

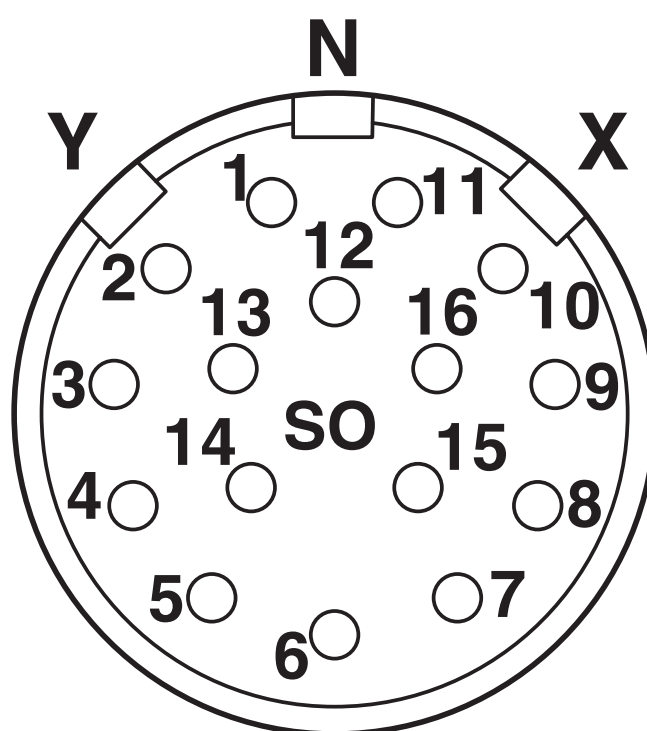
Dimensional drawing

4xØ3,2/M3/□19,8±0,1



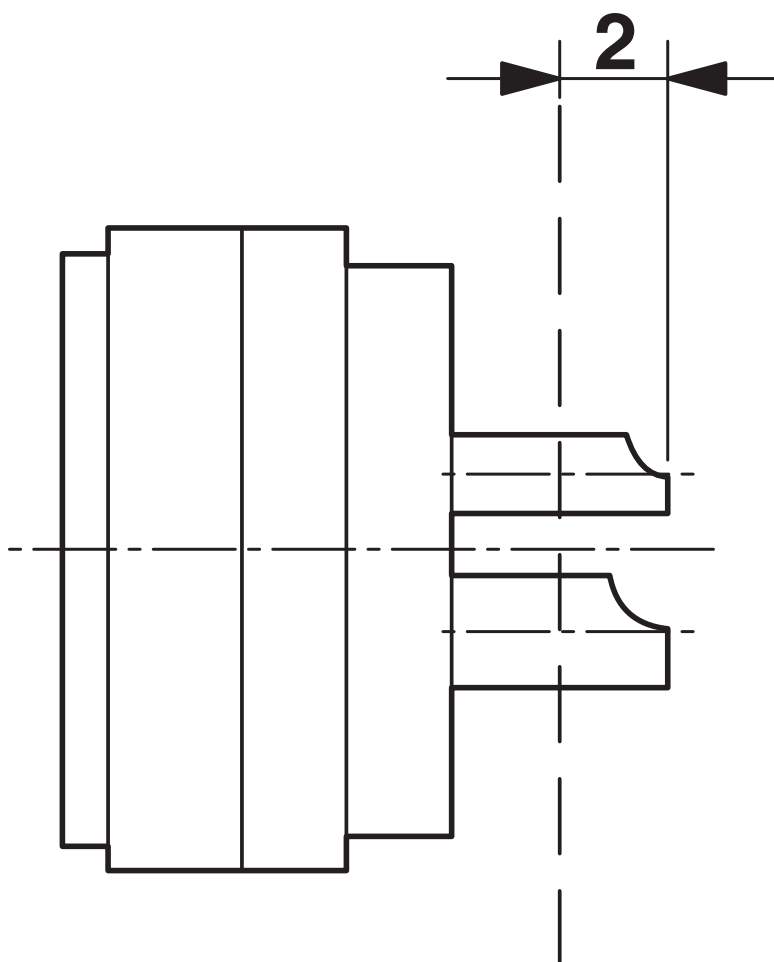
Installation dimensions

Schematic diagram



Connector pin assignment

Schematic diagram



Dimensional drawing

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Classifications

ECLASS

ECLASS-13.0	27440116
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	25bcd6cd-7102-4836-abfd-a4489c878f69

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