

TU-12P1N125300 - Device connector rear mounting



1605945

<https://www.phoenixcontact.com/us/products/1605945>

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.



M23, Device connector rear mounting, application: Signal, series: TU, straight, shielded: yes, Bayonet locking, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Pin, Solder cup, Radial O-ring, Panel thickness min.: 3.5 mm, coding: N. 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.

Commercial data

Item number	1605945
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAHR
GTIN	4046356256025
Weight per piece (including packing)	55.27 g
Weight per piece (excluding packing)	50.243 g
Country of origin	DE

TU-12P1N125300 - Device connector rear mounting



1605945

<https://www.phoenixcontact.com/us/products/1605945>

Technical data

Product properties

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

Connector

Insulating body

Coding	N
Material (Insulating body)	PBT
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder cup
Contact switching type	Pin
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Number (Contact group 1)	12
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	Rear mounting/square flange (4x Ø 3.2 mm)
Housing material	GD-Zn
Degree of protection (plugged in)	IP67
Seal for the device	Radial O-ring

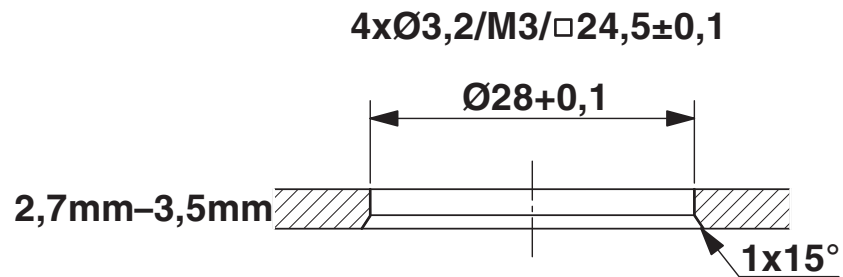
TU-12P1N125300 - Device connector rear mounting

1605945

<https://www.phoenixcontact.com/us/products/1605945>

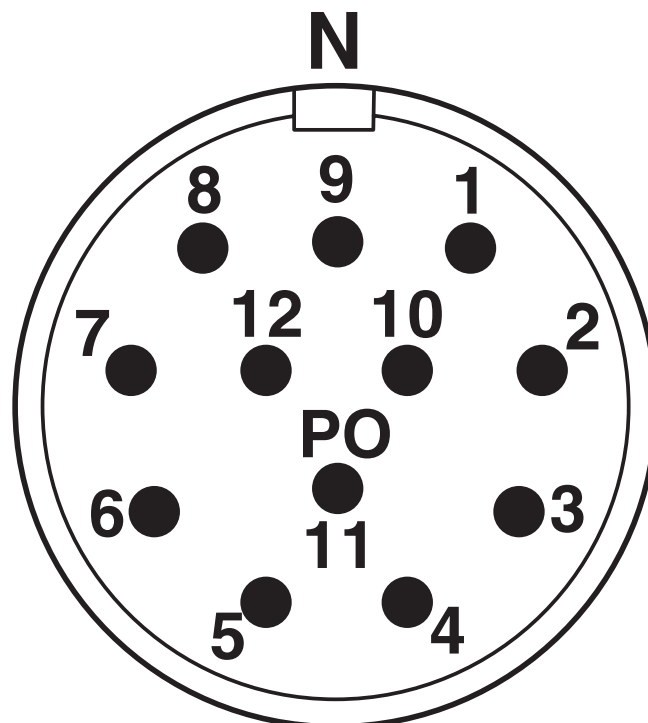
Drawings

Dimensional drawing



Installation dimensions

Schematic diagram



Connector pin assignment

TU-12P1N125300 - Device connector rear mounting



1605945

<https://www.phoenixcontact.com/us/products/1605945>

Schematic diagram



Dimensional drawing

TU-12P1N125300 - Device connector rear mounting



1605945

<https://www.phoenixcontact.com/us/products/1605945>

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 10.0	EC003569
-----------	----------

UNSPSC

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

1605945

<https://www.phoenixcontact.com/us/products/1605945>

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	d9e59d35-afa9-4fe8-acec-1de91dfd214c

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