

1612681

<https://www.phoenixcontact.com/us/products/1612681>

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, Rear panel feed-through, series: UC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, Axial O-ring, cable diameter range: 2 mm ... 14.5 mm, coding: N

Commercial data

Item number	1612681
Packing unit	12 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAIJ
GTIN	4046356396677
Weight per piece (including packing)	109.51 g
Weight per piece (excluding packing)	109.51 g
Country of origin	DE

UC-12P1N8AQ0DU - Rear panel feed-through



1612681

<https://www.phoenixcontact.com/us/products/1612681>

Technical data

Product properties

Product type	Circular connector (cable-side)
--------------	---------------------------------

Connector

Insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Number Contact (Contact group 1)	12
Diameter Contact (Contact group 1)	1 mm
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

Thread type	M23
Type of locking	Screw locking mechanism
Pg screw connection	none
Housing material	GD-Zn
Degree of protection (plugged in)	IP67

Seal

External cable diameter	2 mm ... 14.5 mm
Seal material	NBR

UC-12P1N8AQ0DU - Rear panel feed-through

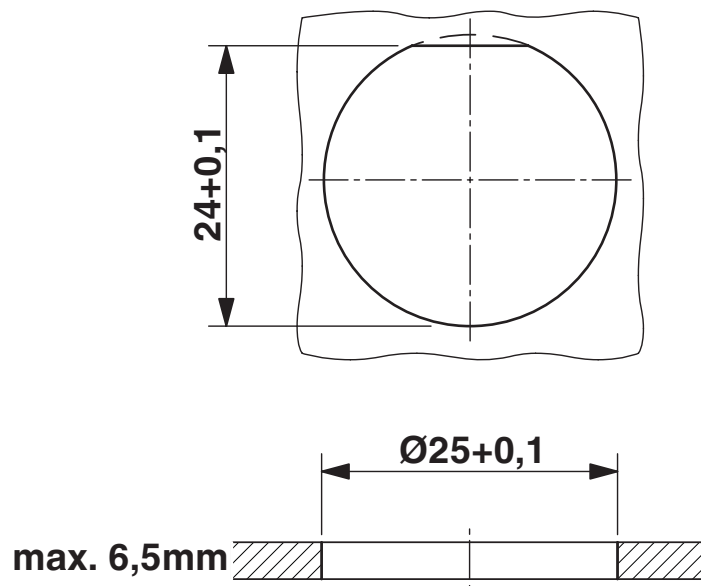
1612681

<https://www.phoenixcontact.com/us/products/1612681>



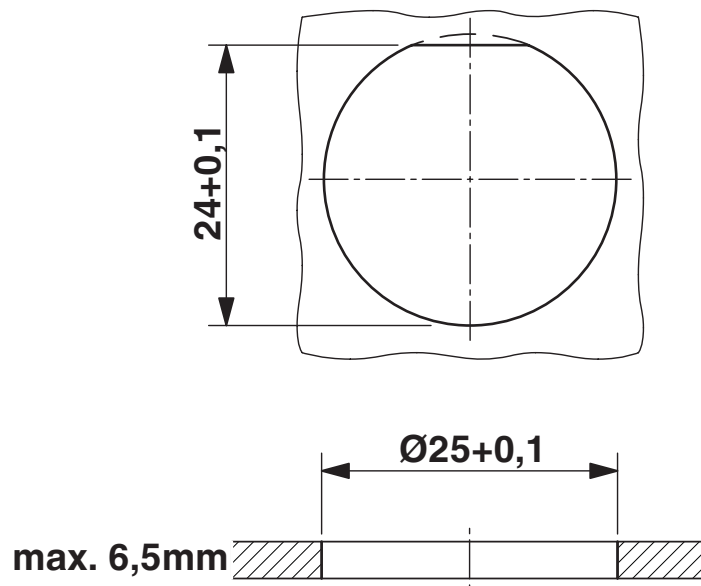
Drawings

Dimensional drawing



Installation dimensions

Dimensional drawing



Installation dimensions

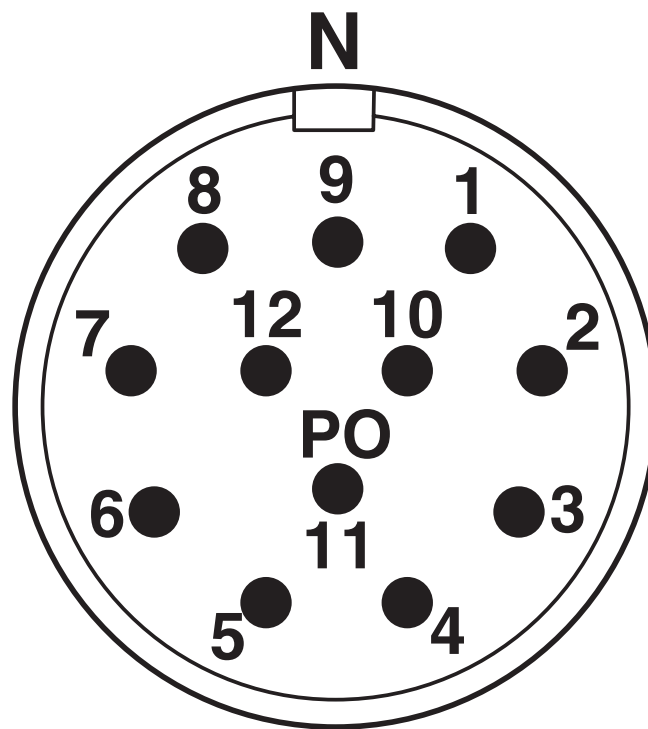
UC-12P1N8AQ0DU - Rear panel feed-through

1612681

<https://www.phoenixcontact.com/us/products/1612681>



Schematic diagram



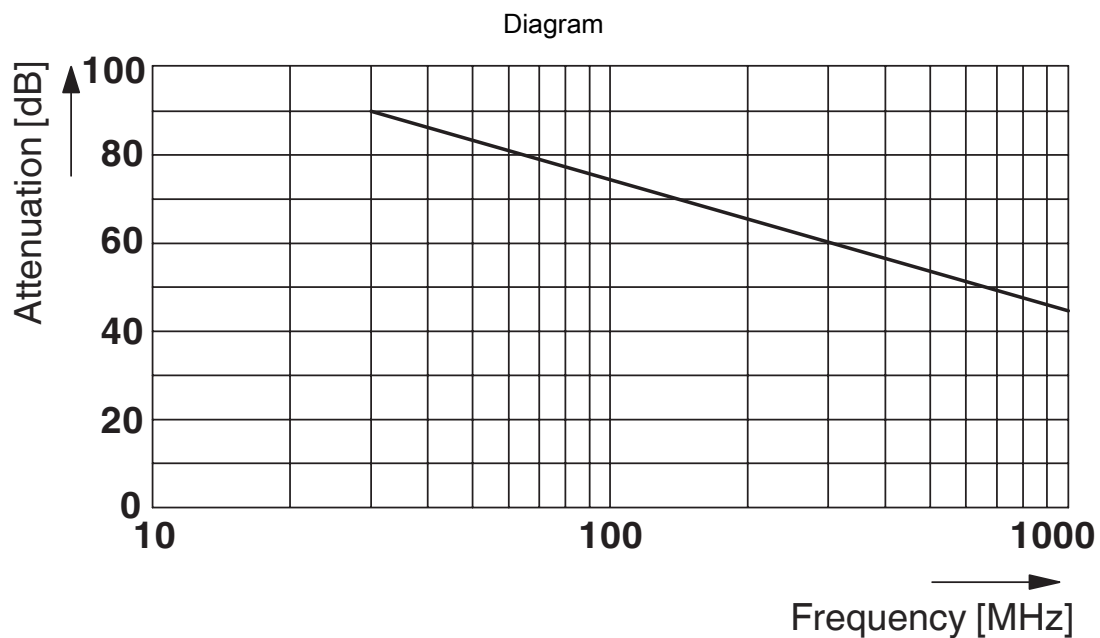
Connector pin assignment

UC-12P1N8AQ0DU - Rear panel feed-through



1612681

<https://www.phoenixcontact.com/us/products/1612681>



UC-12P1N8AQ0DU - Rear panel feed-through



1612681

<https://www.phoenixcontact.com/us/products/1612681>

Classifications

UNSPSC

UNSPSC 21.0	39121409
-------------	----------

UC-12P1N8AQ0DU - Rear panel feed-through



1612681
<https://www.phoenixcontact.com/us/products/1612681>

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.)	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