

# UC-19P1N12T0DU - Cable connector



1606676

<https://www.phoenixcontact.com/us/products/1606676>

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.



The figure shows the 12-pos.  
product version

M23, Cable connector, application: Signal, series: UC, angled, shielded: yes, Screw locking mechanism, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Pin, Solder cup, cable diameter range: 2 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1242170

## Commercial data

Item number	1606676
Packing unit	8 pc
Minimum order quantity	8 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAIC
GTIN	4046356261142
Weight per piece (including packing)	169.26 g
Weight per piece (excluding packing)	157.54 g
Customs tariff number	85366990
Country of origin	DE

# UC-19P1N12T0DU - Cable connector



1606676

<https://www.phoenixcontact.com/us/products/1606676>

## Technical data

### Product properties

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

### Connector

#### Insulating body

Coding	N
Material (Insulating body)	PA 6.6
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	19
Direction of rotation	Standard
Connection profile	16+3
Number (Contact group 1)	3
Contact diameter (Contact group 1)	1.5 mm
Litz wires Min. cross section (Contact group 1)	0.08 mm <sup>2</sup>
Litz wires Max. cross section (Contact group 1)	1 mm <sup>2</sup>
Rated current Contact (Contact group 1)	10 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
Number (Contact group 2)	16
Contact diameter (Contact group 2)	1 mm
Litz wires Max. cross section (Contact group 2)	1 mm <sup>2</sup>
Rated current Contact (Contact group 2)	8 A

#### Housing

Type	Cable connector housing
Thread type	M23
Design	angled
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	GD-Zn
Material (Rotating parts)	CuZn
Material (Housing surface)	Ni
Material (Seal)	FPM (O-ring)

# UC-19P1N12T0DU - Cable connector



1606676

<https://www.phoenixcontact.com/us/products/1606676>

Degree of protection (plugged in)	IP67
Seal	
External cable diameter	2 mm ... 14.5 mm
Seal material	NBR

# UC-19P1N12T0DU - Cable connector



1606676

<https://www.phoenixcontact.com/us/products/1606676>

## Drawings

Schematic diagram



Connector pin assignment

# UC-19P1N12T0DU - Cable connector



1606676

<https://www.phoenixcontact.com/us/products/1606676>

Schematic diagram



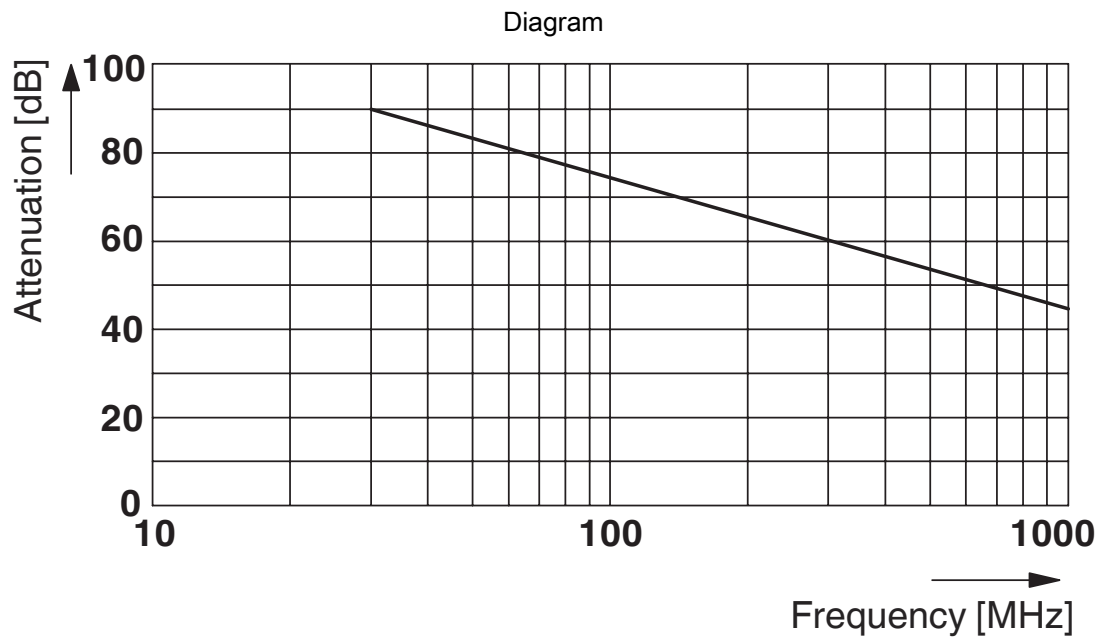
Dimensional drawing

# UC-19P1N12T0DU - Cable connector



1606676

<https://www.phoenixcontact.com/us/products/1606676>



# UC-19P1N12T0DU - Cable connector



1606676

<https://www.phoenixcontact.com/us/products/1606676>

## Classifications

### ECLASS

ECLASS-13.0	27440116
-------------	----------

### UNSPSC

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

# UC-19P1N12T0DU - Cable connector



1606676

<https://www.phoenixcontact.com/us/products/1606676>

## 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	1af4ab3c-4e44-44f9-8c21-a2d6ccd11bd9

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](mailto:info@phoenixcon.com)