

# UC-19S1N1280AC - Cable connector



1606682

<https://www.phoenixcontact.com/us/products/1606682>

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, Cable connector, series: UC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Socket, Solder cup, cable diameter range: 11.5 mm ... 13.5 mm, coding: N

## Commercial data

Item number	1606682
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAIA
GTIN	4046356261180
Weight per piece (including packing)	98.37 g
Weight per piece (excluding packing)	91.9 g
Country of origin	DE

# UC-19S1N1280AC - Cable connector



1606682

<https://www.phoenixcontact.com/us/products/1606682>

## 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	Socket
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+3
Number Contact (Contact group 1)	3
Diameter Contact (Contact group 1)	1.5 mm
Litz wire cross-section min. Contact (Contact group 1)	0.08 mm <sup>2</sup>
Litz wire cross-section max. Contact (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 (Contact group 2)	16
Diameter Contact (Contact group 2)	1 mm
Litz wire cross-section min. Contact (Contact group 2)	0.08 mm <sup>2</sup>
Litz wire cross-section max. Contact (Contact group 2)	1 mm <sup>2</sup>
Rated current Contact (Contact group 2)	8 A
Number Contact (Contact group 3)	1
Diameter Contact (Contact group 3)	1.5 mm
Rated current Contact (Contact group 3)	8 A

#### Housing

Type	Cable connector housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none

# UC-19S1N1280AC - Cable connector



1606682

<https://www.phoenixcontact.com/us/products/1606682>

Material (Housing)	GD-Zn
Material (Rotating parts)	CuZn
Material (Housing surface)	Ni
Material (Seal)	FPM (O-ring)
Degree of protection (plugged in)	IP67

## Seal

External cable diameter	11.5 mm ... 13.5 mm
Seal material	FPM

# UC-19S1N1280AC - Cable connector

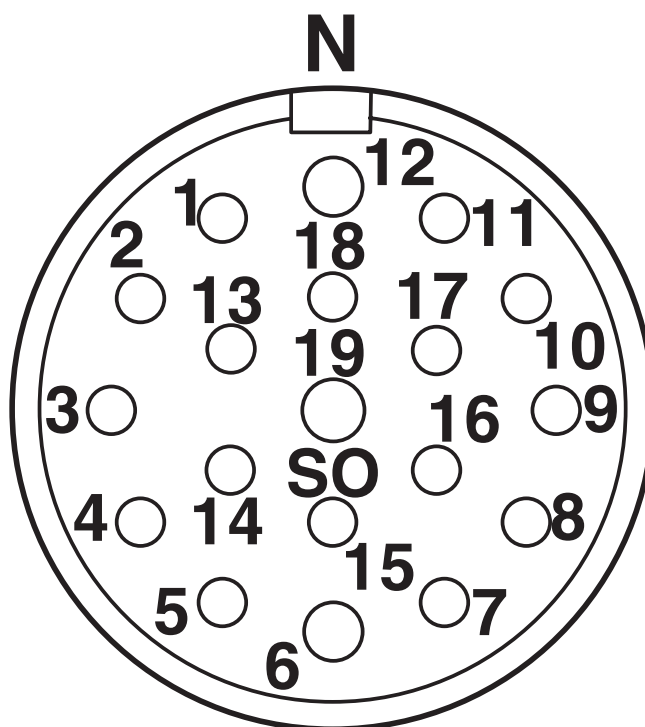
1606682

<https://www.phoenixcontact.com/us/products/1606682>



## Drawings

Schematic diagram



Connector pin assignment

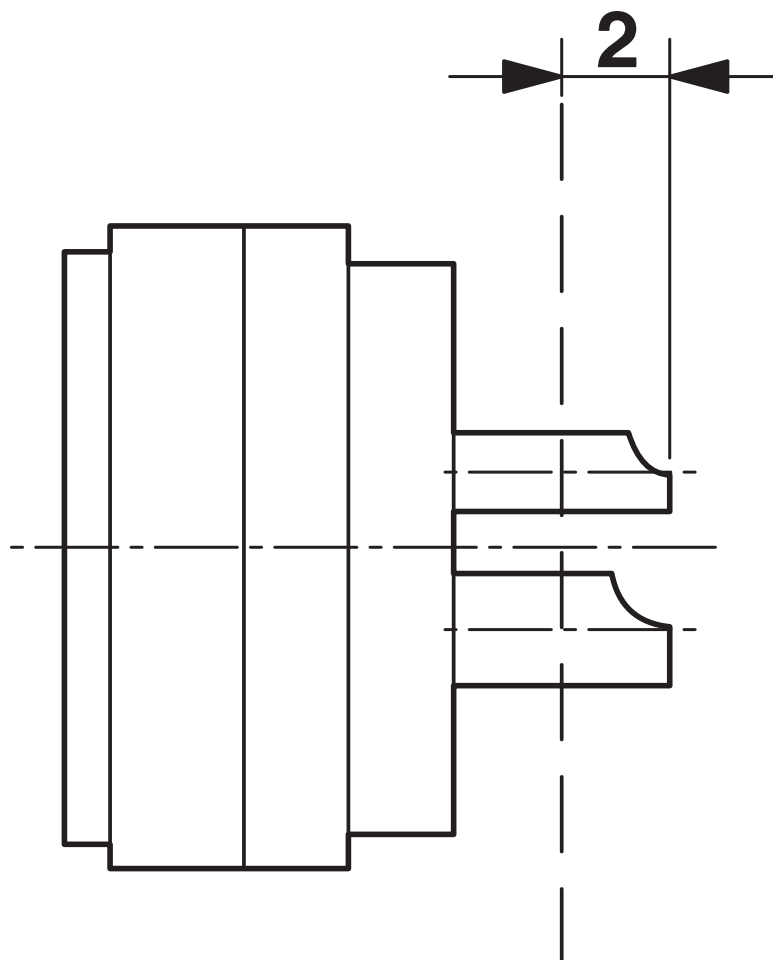
# UC-19S1N1280AC - Cable connector

1606682

<https://www.phoenixcontact.com/us/products/1606682>



Schematic diagram



Dimensional drawing

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](mailto:info@phoenixcon.com)