

TC-19P1N121300 - Circular connector (cable-side)



1612443

<https://www.phoenixcontact.com/us/products/1612443>

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.



Commercial data

Item number	1612443
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRIDA
GTIN	4046356567183
Weight per piece (including packing)	109.515 g
Weight per piece (excluding packing)	70.74 g
Country of origin	DE

TC-19P1N121300 - Circular connector (cable-side)



1612443

<https://www.phoenixcontact.com/us/products/1612443>

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 ²
Litz wires Max. cross section (Contact group 1)	1 mm ²
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 ²
Rated current Contact (Contact group 2)	8 A

Housing

Design	straight
Type of locking	Bayonet locking
Pg screw connection	none
Material (Housing)	Metal
Degree of protection (plugged in)	IP65 IP67

TC-19P1N121300 - Circular connector (cable-side)

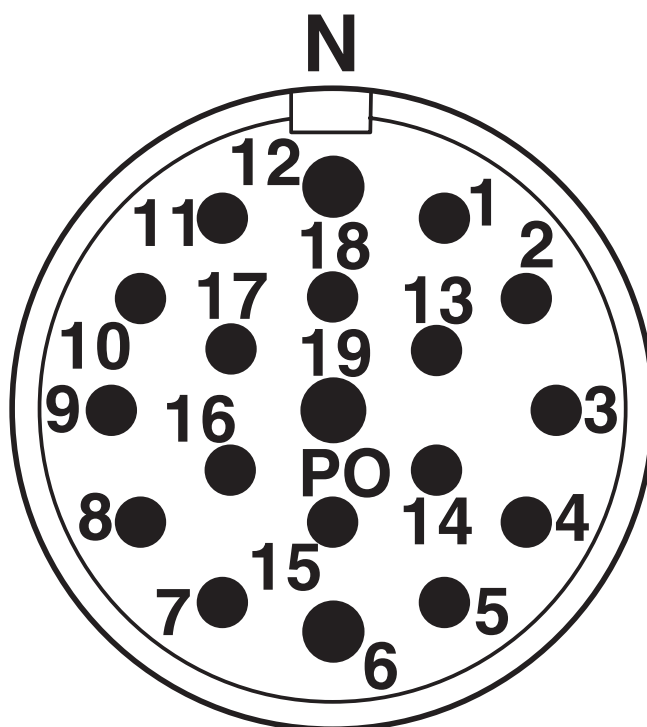


1612443

<https://www.phoenixcontact.com/us/products/1612443>

Drawings

Schematic diagram



Connector pin assignment

TC-19P1N121300 - Circular connector (cable-side)



1612443

<https://www.phoenixcontact.com/us/products/1612443>

Schematic diagram



Dimensional drawing

TC-19P1N121300 - Circular connector (cable-side)



1612443

<https://www.phoenixcontact.com/us/products/1612443>

Classifications

UNSPSC

UNSPSC 21.0	39121419
-------------	----------

TC-19P1N121300 - Circular connector (cable-side)



1612443

<https://www.phoenixcontact.com/us/products/1612443>

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 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