

# RC-17P1N1280EP - Cable connector

1601262

<https://www.phoenixcontact.com/us/products/1601262>



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, straight, Screw locking mechanism, No. of pos.: 17, Direction of rotation: Standard, contact connection type: Pin, Solder cup, cable diameter range: 3 mm ... 10.5 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	1601262
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFA
GTIN	4046356233828
Weight per piece (including packing)	78.725 g
Weight per piece (excluding packing)	73.873 g
Country of origin	DE

# RC-17P1N1280EP - Cable connector

1601262

<https://www.phoenixcontact.com/us/products/1601262>



## Technical data

### Product properties

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

### Connector

#### Insulating body

Coding	N
Material (Insulating body)	PBT
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	50
Connection method	Solder cup
Contact switching type	Pin
Application	Signal
Number of positions	17
Direction of rotation	Standard
Connection profile	17
Number Contact (Contact group 1)	17
Diameter Contact (Contact group 1)	1 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)	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
Overshoot category	III
Degree of pollution	3

#### Housing

Note	Order contact inserts separately
Type	Cable connector housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	Metal
Degree of protection (plugged in)	IP65
	IP67
	IP68

#### Seal

External cable diameter	3 mm ... 10.5 mm
Seal material	NBR

# RC-17P1N1280EP - Cable connector

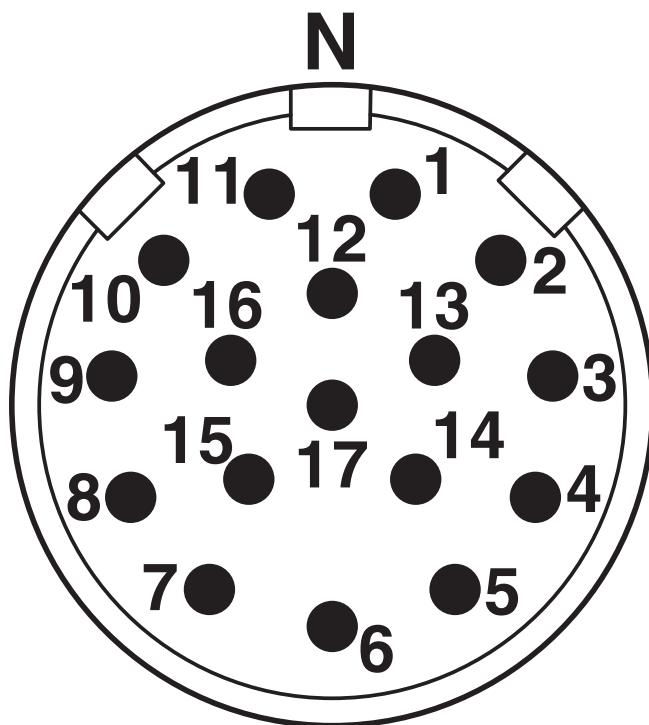
1601262

<https://www.phoenixcontact.com/us/products/1601262>



## Drawings

Schematic diagram



Connector pin assignment

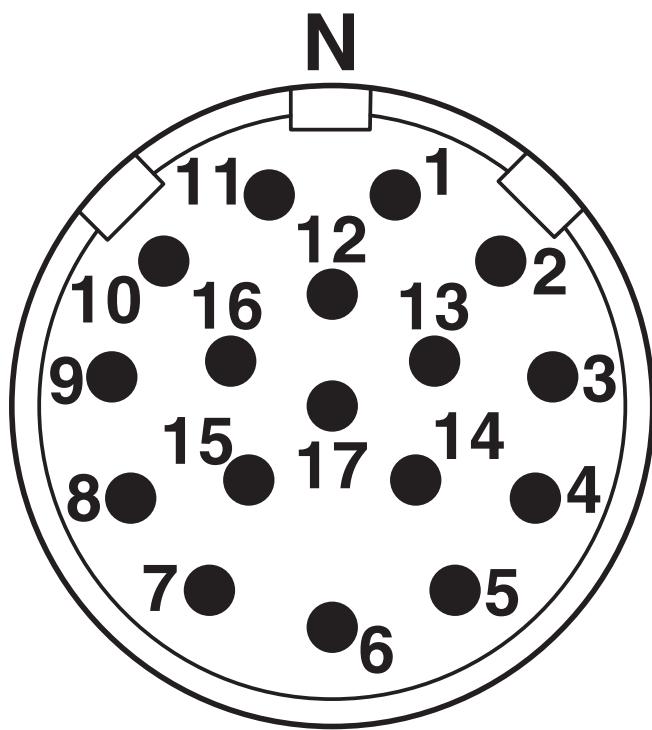
## RC-17P1N1280EP - Cable connector

1601262

<https://www.phoenixcontact.com/us/products/1601262>

**PHÖNIX CONTACT**

## Schematic diagram



## Connector pin assignment

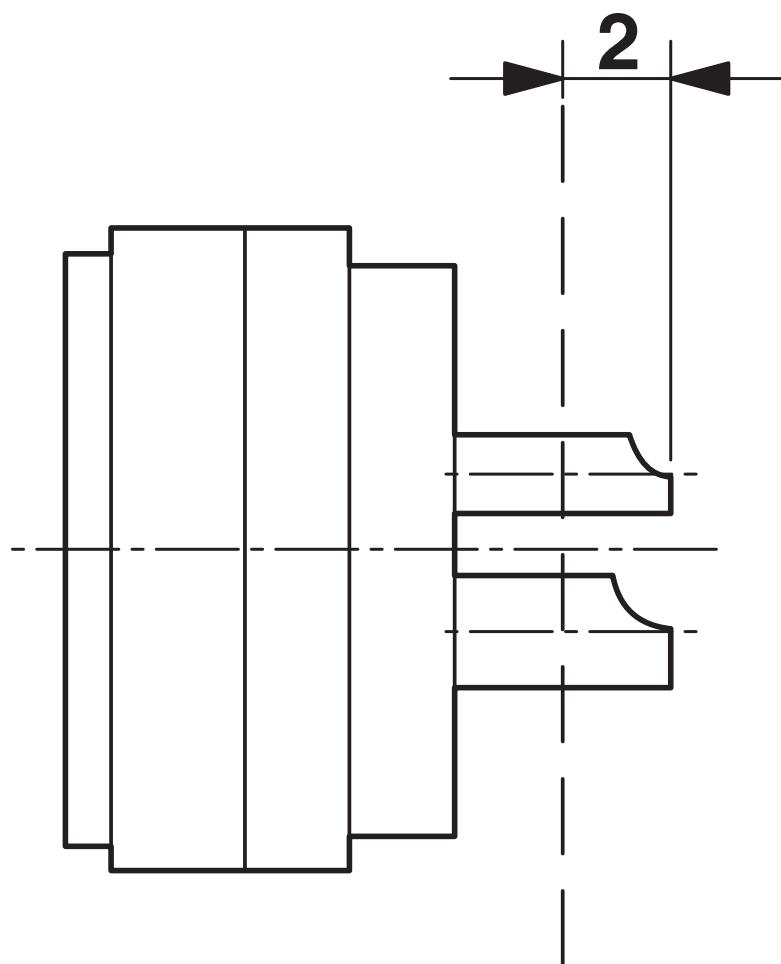
# RC-17P1N1280EP - Cable connector

1601262

<https://www.phoenixcontact.com/us/products/1601262>



Schematic diagram



Dimensional drawing

# RC-17P1N1280EP - Cable connector

1601262

<https://www.phoenixcontact.com/us/products/1601262>



## Classifications

### ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

### ETIM

ETIM 9.0	EC002635
----------	----------

### UNSPSC

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

# RC-17P1N1280EP - Cable connector

1601262

<https://www.phoenixcontact.com/us/products/1601262>



## 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	424d63fd-17e1-47c3-acf7-20f1353a9766

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)