

# RC-17S1N8AK0L8 - Cable connector



1602234

<https://www.phoenixcontact.com/us/products/1602234>

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: RC, straight plastic-sheathed, shielded: yes, Screw locking mechanism, No. of pos.: 17, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 6.5 mm ... 7.5 mm, coding: N

## Commercial data

Item number	1602234
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFA
GTIN	4046356238724
Weight per piece (including packing)	39.71 g
Weight per piece (excluding packing)	38.393 g
Country of origin	DE

# RC-17S1N8AK0L8 - Cable connector



1602234

<https://www.phoenixcontact.com/us/products/1602234>

## Technical data

### Notes

Order information:	Order crimp contacts Ø 1 mm separately
--------------------	--

### Product properties

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

### Connector

#### Insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	17
Direction of rotation	Standard
Connection profile	17
Number (Contact group 1)	17
Contact diameter (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

Type	Cable connector housing
Thread type	M23
Design	straight plastic-sheathed
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	GD-Zn
Material (Rotating parts)	CuZn
Degree of protection (plugged in)	IP67

#### Seal

External cable diameter	6.5 mm ... 7.5 mm
-------------------------	-------------------

## Environmental and real-life conditions

### Ambient conditions

# RC-17S1N8AK0L8 - Cable connector



1602234

<https://www.phoenixcontact.com/us/products/1602234>

Permissible humidity (storage/transport)
--

50 % ... 65 %
---------------

# RC-17S1N8AK0L8 - Cable connector



1602234

<https://www.phoenixcontact.com/us/products/1602234>

## Drawings

Schematic diagram



Connector pin assignment

# RC-17S1N8AK0L8 - Cable connector



1602234

<https://www.phoenixcontact.com/us/products/1602234>

Schematic diagram



Connector pin assignment

# RC-17S1N8AK0L8 - Cable connector



1602234

<https://www.phoenixcontact.com/us/products/1602234>

## Classifications

### ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

### ETIM

ETIM 10.0	EC002635
-----------	----------

### UNSPSC

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

# RC-17S1N8AK0L8 - Cable connector



1602234

<https://www.phoenixcontact.com/us/products/1602234>

## 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	31e05393-a6b4-475f-8d3c-6bf1fdd21167

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)