

RC-17S1N8AK0K5 - Cable connector



1602231

<https://www.phoenixcontact.com/us/products/1602231>

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

Commercial data

Item number	1602231
Packing unit	20 pc
Minimum order quantity	20 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	ABRAFA
GTIN	4046356238717
Weight per piece (including packing)	39 g
Weight per piece (excluding packing)	34.993 g
Customs tariff number	85366990
Country of origin	DE

RC-17S1N8AK0K5 - Cable connector



1602231

<https://www.phoenixcontact.com/us/products/1602231>

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 (Contact group 1)	17
Diameter Contact (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

Environmental and real-life conditions

Ambient conditions

Permissible humidity (storage/transport)	50 % ... 65 %
--	---------------

RC-17S1N8AK0K5 - Cable connector

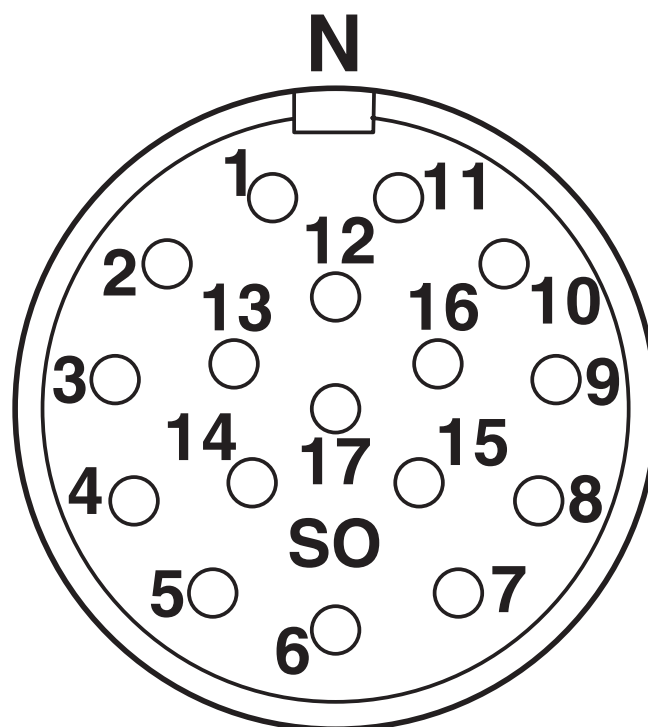
1602231

<https://www.phoenixcontact.com/us/products/1602231>



Drawings

Schematic diagram



Connector pin assignment

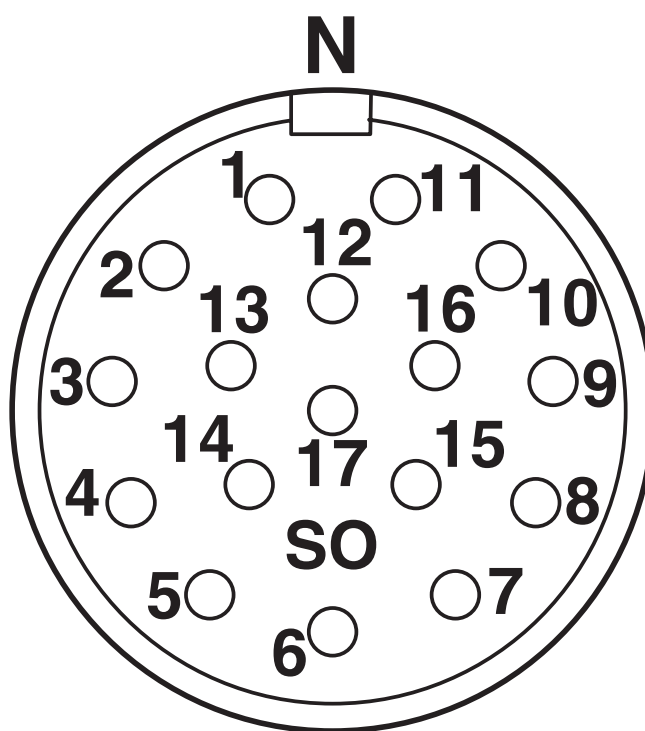
RC-17S1N8AK0K5 - Cable connector

1602231

<https://www.phoenixcontact.com/us/products/1602231>



Schematic diagram



Connector pin assignment

RC-17S1N8AK0K5 - Cable connector



1602231

<https://www.phoenixcontact.com/us/products/1602231>

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

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

UNSPSC

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

RC-17S1N8AK0K5 - Cable connector



1602231

<https://www.phoenixcontact.com/us/products/1602231>

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	4db10b7c-0c6f-4e15-9613-4d1f47953ba0

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