

RC-1RS1NRM0000 - Contact insert



1603305

<https://www.phoenixcontact.com/us/products/1603305>

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.

Contact insert, M23, number of positions: 16+2+PE, contact connection type: Socket, Crimp connection, series: NC, RC, RM, TU, UC



The figure shows the 6-pos. product version

Commercial data

Item number	1603305
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAFU
GTIN	4046356244800
Weight per piece (including packing)	14.5 g
Weight per piece (excluding packing)	13 g
Customs tariff number	85366990
Country of origin	DE

RC-1RS1NRM0000 - Contact insert



1603305

<https://www.phoenixcontact.com/us/products/1603305>

Technical data

Product properties

Product type	Contact insert
Series	NC
	RC
	RM
	TU
	UC
Application	Signal
Number of positions	19
Connection profile	16+2+PE
Coding	N
Thread type	M23

Electrical properties

Contact: Contact group 1

Contact diameter	1.5 mm
Min. cross section	0.75 mm ²
Max. cross section	1 mm ²
Nominal current I _N	10 A (for max. connection cross section)
Nominal voltage U _N	48 V AC
	74 V DC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV

Contact: Contact group 2

Contact diameter	1 mm
Min. cross section	0.25 mm ²
Max. cross section	0.5 mm ²
Nominal current I _N	8 A
Nominal voltage U _N	48 V AC
	74 V DC

Connection data

Connection method	Crimp connection
-------------------	------------------

Material specifications

Material Insulating body	PA 6.6
Material Contact	CuZn
Material Contact surface	Ni/Au

Connector

RC-1RS1NRM0000 - Contact insert



1603305

<https://www.phoenixcontact.com/us/products/1603305>

Direction of rotation	Standard
-----------------------	----------

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	50
-----------------------------	----

RC-1RS1NRM0000 - Contact insert



1603305

<https://www.phoenixcontact.com/us/products/1603305>

Drawings

Schematic diagram



Connector pin assignment

RC-1RS1NRM0000 - Contact insert



1603305

<https://www.phoenixcontact.com/us/products/1603305>

Schematic diagram



Dimensional drawing

RC-1RS1NRM0000 - Contact insert



1603305

<https://www.phoenixcontact.com/us/products/1603305>

Classifications

ECLASS

ECLASS-13.0	27440223
-------------	----------

UNSPSC

UNSPSC 21.0	39121522
-------------	----------

RC-1RS1NRM0000 - Contact insert



1603305

<https://www.phoenixcontact.com/us/products/1603305>

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)
-------------------------------------	----------------------

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