

UC-1RS1NRANNAD - Cable connector



1612800

<https://www.phoenixcontact.com/us/products/1612800>

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, application: Signal, series: UC, angled, shielded: yes, Screw locking mechanism, No. of pos.: 16+2+FE, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 13.5 mm ... 14.5 mm, coding: N



The figure shows the 12-pos. product version

Commercial data

Item number	1612800
Packing unit	8 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAIC
GTIN	4046356396844
Weight per piece (including packing)	171.78 g
Weight per piece (excluding packing)	171.78 g
Country of origin	DE

UC-1RS1NRANNAD - Cable connector



1612800

<https://www.phoenixcontact.com/us/products/1612800>

Technical data

Product properties

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

Connector

Insulating body

Note	Order information: Order crimp contacts 16 x Ø 1 mm, 2 x Ø 1.5 mm, 1 x Ø 1.5 (PE) separately
Coding	N
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+2+FE
Number (Contact group 1)	3
Contact diameter (Contact group 1)	1.5 mm
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	II
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
Overvoltage category	II
Degree of pollution	3

Housing

Order information:	Order contact inserts separately
Type	Cable connector housing
Thread type	M23
Design	angled
Type of locking	Screw locking mechanism
Pg screw connection	Pg16
Material (Housing)	GD-Zn
Material (Housing surface)	Ni
Material (Rotating parts)	CuZn
Degree of protection (plugged in)	IP67

UC-1RS1NRANNAD - Cable connector



1612800

<https://www.phoenixcontact.com/us/products/1612800>

Seal

External cable diameter	13.5 mm ... 14.5 mm
Seal material	FPM

Drawings

Schematic diagram



Connector pin assignment

UC-1RS1NRANNAD - Cable connector



1612800

<https://www.phoenixcontact.com/us/products/1612800>



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