

RC-19S1N12WA00 - Device connector front mounting



1602920

<https://www.phoenixcontact.com/us/products/1602920>

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The figure shows the 12-pos.
product version

M23, Device connector front mounting, application: Signal, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Socket, Solder cup, Radial O-ring, coding: N

Commercial data

Item number	1602920
Packing unit	40 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFL
GTIN	4046356242370
Weight per piece (including packing)	59.9 g
Weight per piece (excluding packing)	59.9 g
Country of origin	DE

1602920

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Technical data

Product properties

Product type	Circular connectors (device side)
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Material specifications

Housing material	Metal
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Connector

Insulating body

Coding	N
Material (Insulating body)	PA 6.6
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder cup
Contact switching type	Socket
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+3
Number (Contact group 1)	3
Contact diameter (Contact group 1)	1.5 mm
Litz wires Min. cross section (Contact group 1)	0.08 mm ²
Litz wires Max. cross section (Contact group 1)	1 mm ²
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	III
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
Number (Contact group 3)	1
Contact diameter (Contact group 3)	1.5 mm
Rated current Contact (Contact group 3)	8 A

Housing

Type	Flange housing
Thread type	M23
Design	straight

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Type of locking	Screw locking mechanism
Pg screw connection	none
Mounting type	Front mounting/square flange (4x Ø 3.2 mm)
Material (Housing)	Metal
Degree of protection (plugged in)	IP67
Seal for the device	Radial O-ring

Drawings

Schematic diagram



Connector pin assignment

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Schematic diagram



Dimensional drawing

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Classifications

UNSPSC

UNSPSC 21.0	39121413
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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.)	No substance above 0.1 wt%
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