

# RC-09S1N12E100 - Device connector rear mounting



1596076

<https://www.phoenixcontact.com/us/products/1596076>

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The figure shows the 17-pos.  
product version with O-ring seal

M23, Device connector rear mounting, application: Signal, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Socket, Solder cup, Flat gasket, Panel thickness min.: 3 mm, Panel thickness max.: 10.5 mm, coding: N

## Commercial data

Item number	1596076
Packing unit	40 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFL
GTIN	4046356209700
Weight per piece (including packing)	48.44 g
Weight per piece (excluding packing)	40.44 g
Country of origin	DE

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## Technical data

### Product properties

Product type	Circular connectors (device side)
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### Connector

#### Insulating body

Coding	N
Material (Insulating body)	PBT
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	50
Connection method	Solder cup
Contact switching type	Socket
Application	Signal
Number of positions	9
Direction of rotation	Standard
Connection profile	8+1
Number (Contact group 1)	1
Contact diameter (Contact group 1)	2 mm
Litz wires Min. cross section (Contact group 1)	0.08 mm <sup>2</sup>
Litz wires Max. cross section (Contact group 1)	2.5 mm <sup>2</sup>
Rated current Contact (Contact group 1)	20 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)	8
Contact diameter (Contact group 2)	1 mm
Litz wires Max. cross section (Contact group 2)	1 mm <sup>2</sup>
Rated current Contact (Contact group 2)	8 A (for max. connection cross section)
Rated voltage Contact (Contact group 2)	48 V AC 48 V AC

#### Housing

Order information:	Order contact inserts separately
Type	Flange housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Mounting type	Rear mounting/square flange (4x M3)

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Housing material	Metal
Degree of protection (plugged in)	IP67
Seal for the device	Flat gasket

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## Drawings

Schematic diagram



Connector pin assignment

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Schematic diagram



Connector pin assignment

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Schematic diagram



Dimensional drawing

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