

RC-09S1NA25Z00 - Device connector rear mounting



1596429

<https://www.phoenixcontact.com/us/products/1596429>

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The figure shows the 12-pos.
product version

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-in connection, Radial O-ring, 4x Ø 2.7 mm, Panel thickness min.: 2.7 mm, Panel thickness max.: 3.5 mm, coding: N

Commercial data

Item number	1596429
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFR
GTIN	4046356211260
Weight per piece (including packing)	30.33 g
Weight per piece (excluding packing)	30.33 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-in connection
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
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
Rated current Contact (Contact group 2)	8 A
Rated voltage Contact (Contact group 2)	48 V AC 48 V AC

Housing

Order information:	Order contact inserts separately
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Housing material	GD-Zn
Degree of protection (plugged in)	IP67
Seal for the device	Radial O-ring

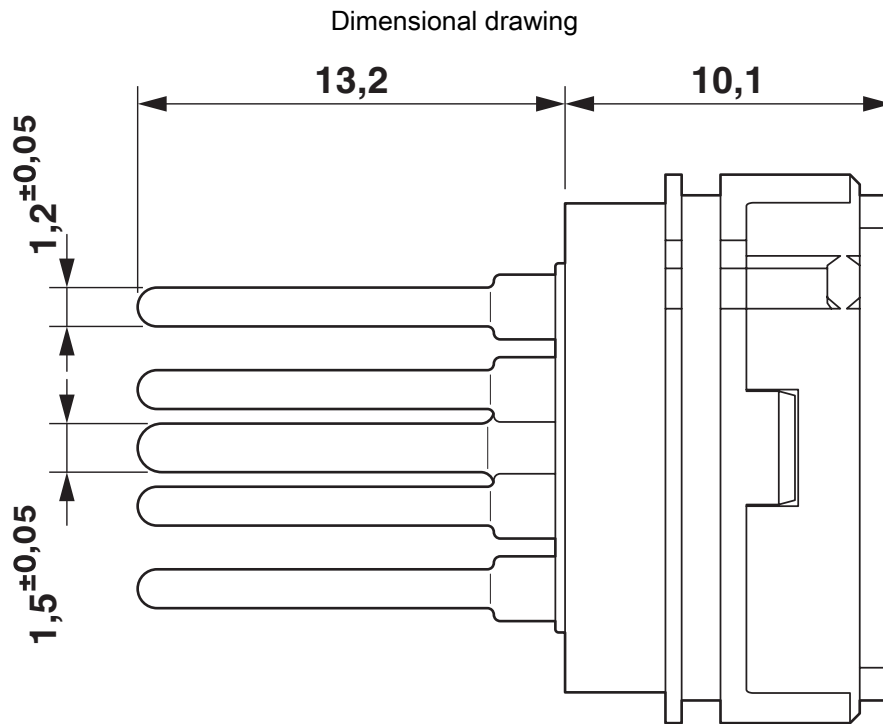
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Drawings



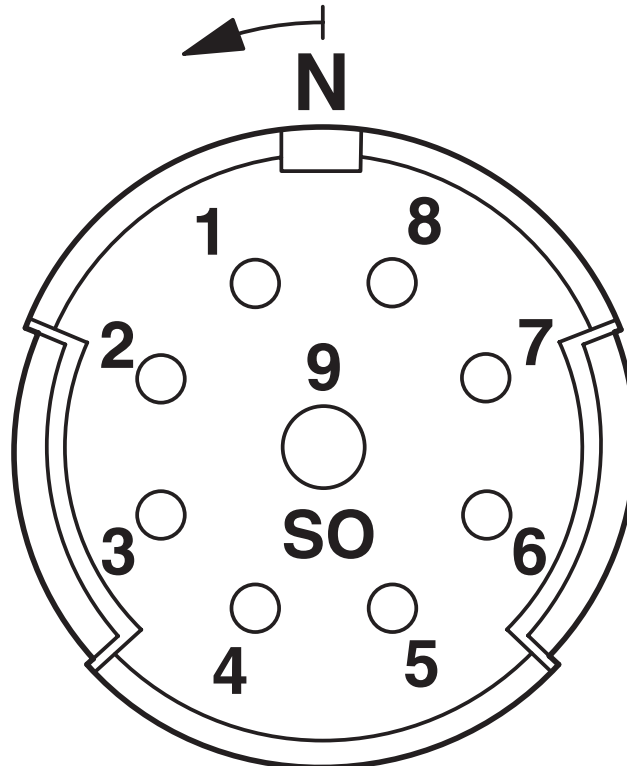
Dimensional drawing

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Schematic diagram



Connector pin assignment

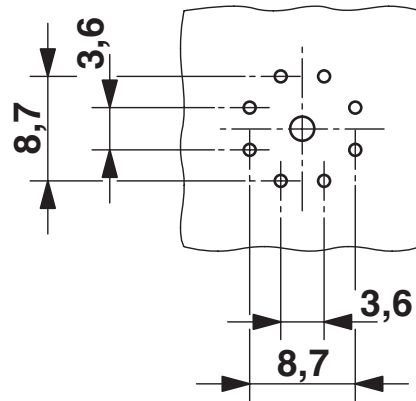
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Drilling plan/solder pad geometry



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