

# RC-09S1N1280P5 - Cable connector



1595962

<https://www.phoenixcontact.com/us/products/1595962>

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M23, Cable connector, application: Signal, straight, Screw locking mechanism, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Socket, Solder cup, coding: N

The figure shows the 12-pos.  
product version

## Commercial data

Item number	1595962
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFA
GTIN	4046356209205
Weight per piece (including packing)	71.06 g
Weight per piece (excluding packing)	71.06 g
Country of origin	DE

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## Technical data

### 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

Note	Order contact inserts separately
Type	Cable connector housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	Metal
Degree of protection (plugged in)	IP65 IP67 IP68

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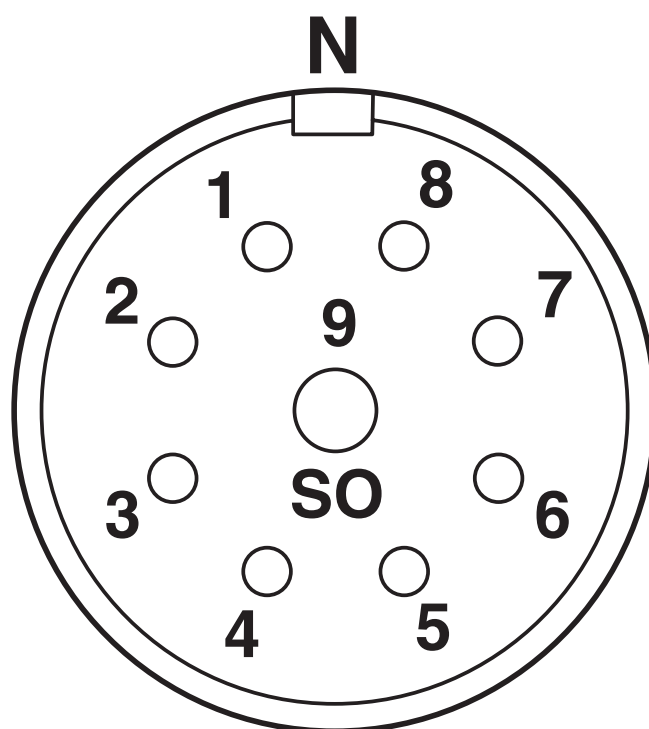


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## Drawings

Schematic diagram



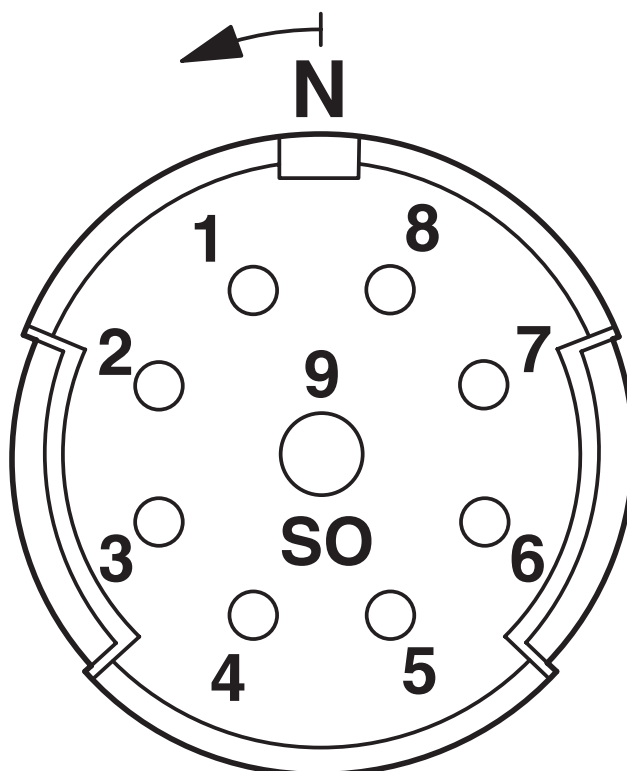
Connector pin assignment

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Schematic diagram



Connector pin assignment

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Schematic diagram



Dimensional drawing

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