

# RC-12S2N8AM0K5 - Coupler connector



1600193

<https://www.phoenixcontact.com/us/products/1600193>

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The figure shows the 12-pos. product version with standard contact chamber numbering

M23, Coupler connector, application: Signal, series: RC, straight plastic-sheathed, shielded: yes, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Counter direction, contact connection type: Socket, Crimp connection, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

## Commercial data

Item number	1600193
Packing unit	20 pc
Minimum order quantity	1 pc
Product key	ABRAFG
GTIN	4046356229005
Weight per piece (including packing)	41.65 g
Weight per piece (excluding packing)	36.521 g
Country of origin	DE

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## Technical data

### Notes

Order information:	Order crimp contacts Ø 1 mm separately
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### Product properties

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

#### Insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	12
Direction of rotation	Counter direction
Connection profile	12
Number (Contact group 1)	12
Contact diameter (Contact group 1)	1 mm
Rated current Contact (Contact group 1)	8 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

#### Housing

Type	Coupling housing
Thread type	M23
Design	straight plastic-sheathed
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	GD-Zn
Material (Seal)	FPM (O-ring)
Degree of protection (plugged in)	IP67

### Environmental and real-life conditions

#### Ambient conditions

Permissible humidity (storage/transport)	50 % ... 65 %
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## Drawings

Schematic diagram



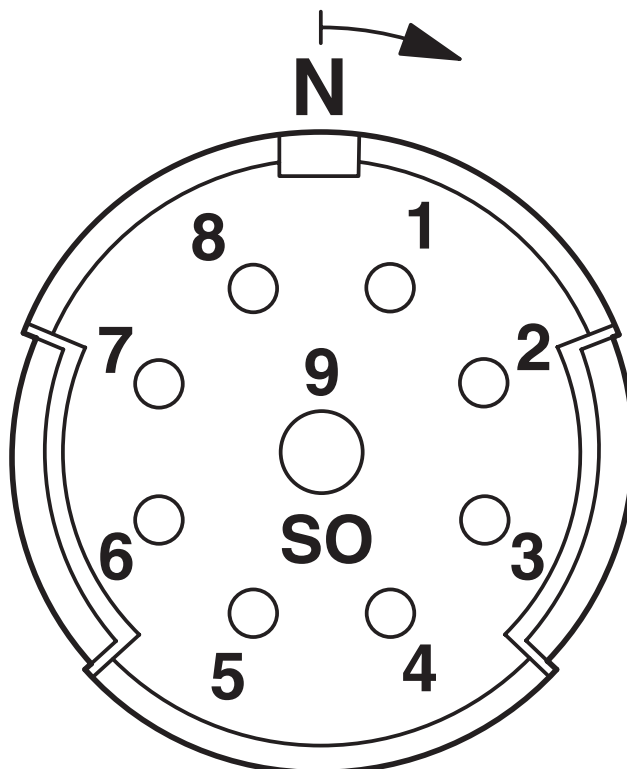
Connector pin assignment

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Schematic diagram



Connector pin assignment

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## Classifications

### ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

### ETIM

ETIM 10.0	EC002635
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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