

# RC-63S3N1280EN - Cable connector



1603793

<https://www.phoenixcontact.com/us/products/1603793>

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M23, Cable connector, straight, shielded: no, Screw locking mechanism, No. of pos.: 6+3, Direction of rotation: Standard, contact connection type: Socket, Solder cup, cable diameter range: 3 mm ... 10.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241675

## Commercial data

Item number	1603793
Packing unit	12 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAFA
GTIN	4046356247092
Weight per piece (including packing)	91.7 g
Weight per piece (excluding packing)	85.45 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Product properties

Product type	Circular connector (cable-side)
Data management status	
Article revision	05

### Material specifications

Housing material	Metal
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### Connector

Insulating body	
Coding	N
Insertion/withdrawal cycles	50
Connection method	Solder cup
Contact switching type	Socket
Application	Signal
Number of positions	9
Direction of rotation	Standard
Connection profile	6+3
Contact diameter <b>Power contacts</b>	2 mm
Litz wire cross-section <b>Power contacts</b> min.	0.08 mm²
Litz wire cross-section <b>Power contacts</b> max.	2.5 mm²
Rated current <b>Power contacts</b>	20 A
Rated voltage	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Contact diameter <b>Signal contacts</b>	1 mm
Litz wire cross-section <b>Signal contacts</b> min.	0.08 mm²
Litz wire cross-section <b>Signal contacts</b> max.	1 mm²
Nominal current per signal contact	8 A

### Housing

Order information:	Order contact inserts separately
Housing material	Metal
Type of locking	Screw locking mechanism
Pg screw connection	none
	IP65

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Degree of protection (plugged in)	IP67
	IP68
Thread type	M23

Seal

External cable diameter	3 mm ... 10.5 mm
Seal material	NBR

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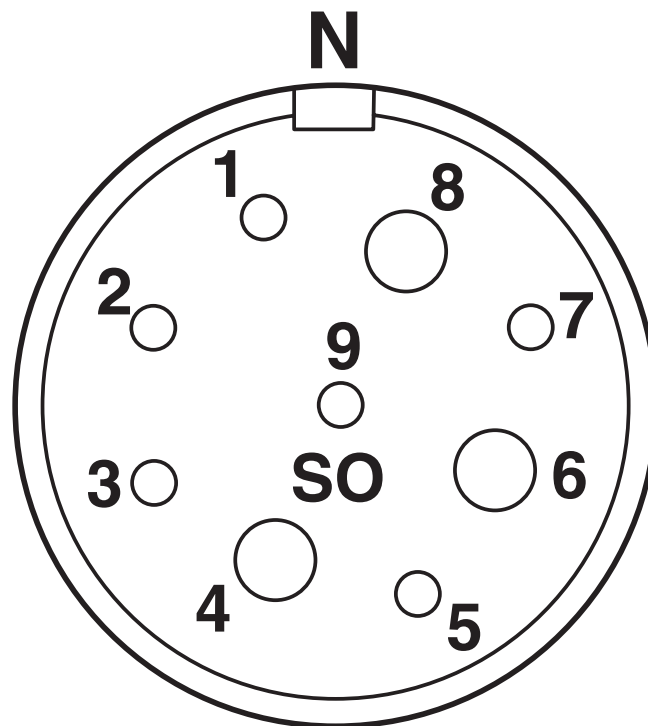
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## Drawings

Schematic diagram



Connector pin assignment

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1603793

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## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

### ETIM

ETIM 9.0	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
Exemption	6(a), 6(a)-I, 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.)	Lead(CAS: 7439-92-1)
SCIP	1c7de80e-01a3-41e0-97a0-e95e9bc4beb9

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