

RC-19S1N12ZL00 - Cable connector



1602959

<https://www.phoenixcontact.com/pc/products/1602959>

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M23, Cable connector, series: RC, angled, shielded: no, Screw locking mechanism, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Socket, Solder cup, cable diameter range: 9 mm ... 13 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241565

Commercial data

Item number	1602959
Packing unit	8 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFC
GTIN	4046356242639
Weight per piece (including packing)	174.137 g
Weight per piece (excluding packing)	155.3 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Product properties

Product type	Circular connector (cable-side)
Type of the screw connection	IP68 screw
Thread type	M23

Material specifications

Flammability rating according to UL 94	V0
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Connection data

Conductor connection

Connection method	Solder connection
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Mechanical properties

Mechanical data

Type of the screw connection	IP68 screw
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Connector

Insulating body

Coding	N
Insertion/withdrawal cycles	100
Connection method	Solder cup
Contact switching type	Socket
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+3
Contact diameter Power contacts	1.5 mm
Litz wire cross-section Power contacts min.	0.08 mm ²
Litz wire cross-section Power contacts max.	1 mm ²
Rated current Power contacts	10 A
Rated voltage	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Contact diameter Signal contacts	1 mm
Litz wire cross-section Signal contacts min.	0.08 mm ²
Litz wire cross-section Signal contacts max.	1 mm ²

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Nominal current per signal contact	8 A
Contact diameter Data contacts	1.5 mm

Housing

Order information:	Order contact inserts and cable clamping separately
Housing material	Metal
Type of locking	Screw locking mechanism
Pg screw connection	Pg13,5
Degree of protection (plugged in)	IP65
	IP67
Thread type	M23

Seal

External cable diameter	9 mm ... 13 mm
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
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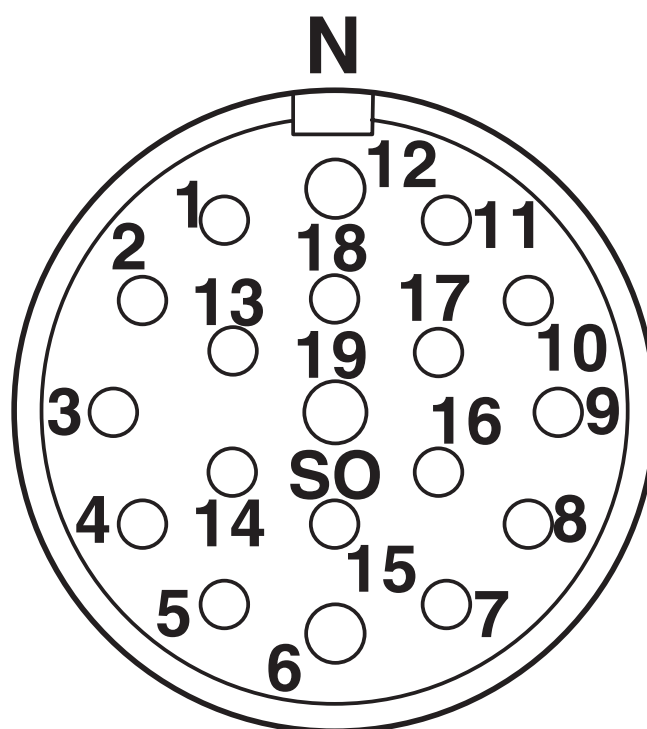
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Drawings

Schematic diagram



Connector pin assignment

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Classifications

ECLASS

ECLASS-11.0	27440109
ECLASS-12.0	27440109
ECLASS-13.0	27440109

ETIM

ETIM 8.0	EC003569
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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(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	2316861c-0605-4fcb-89bb-6f8b0db5dd6d

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Accessories

PROT-M23-SG-IT-IP20 - Plastic protective cap

1577206

<https://www.phoenixcontact.com/pc/products/1577206>



Plastic protective cap, M23, degree of protection: IP20, series: CA, RC, RF, UC, RM

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