RC-19S1N12Z700 - Cable connector

1602943

https://www.phoenixcontact.com/us/products/1602943

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M23, Cable connector, application: Signal, series: RC, angled, shielded: no, Screw locking mechanism, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Socket, Solder cup, 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	1602943
Packing unit	8 pc
Minimum order quantity	8 pc
Sales key	AB31
Product key	ABRAFC
GTIN	4046356242516
Weight per piece (including packing)	167.05 g
Weight per piece (excluding packing)	142.392 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Product properties

Product type	Circular connector (cable-side)
Thread type	M23

Material specifications

Flammability rating according to UL 94	V0

Connector

Insulating body

Coding	N
Material (Insulating body)	PA 6.6
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
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
Number (Contact group 1)	3
Contact diameter (Contact group 1)	1.5 mm
Litz wires Min. cross section (Contact group 1)	0.08 mm²
Litz wires Max. cross section (Contact group 1)	1 mm²
Rated current Contact (Contact group 1)	10 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)	16
Contact diameter (Contact group 2)	1 mm
Litz wires Max. cross section (Contact group 2)	1 mm²
Rated current Contact (Contact group 2)	8 A
Number (Contact group 3)	1
Contact diameter (Contact group 3)	1.5 mm
Rated current Contact (Contact group 3)	8 A

Housing

Order information:	Order contact inserts and cable clamping separately
Type	Cable connector housing

Thread type	M23
Design	angled
Type of locking	Screw locking mechanism
Pg screw connection	Pg13,5
Material (Housing)	GD-Zn
Material (Housing surface)	Ni
Material (Rotating parts)	CuZn
Degree of protection (plugged in)	IP65
	IP67

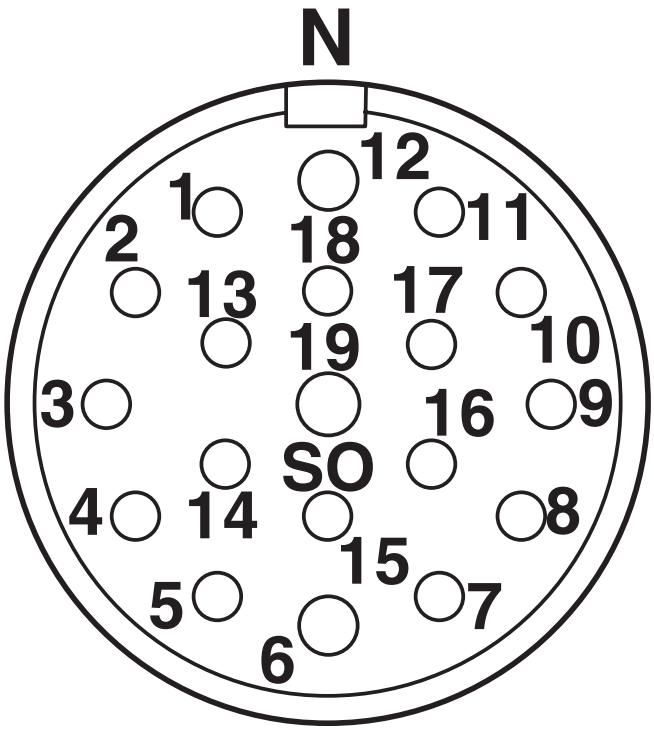
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67

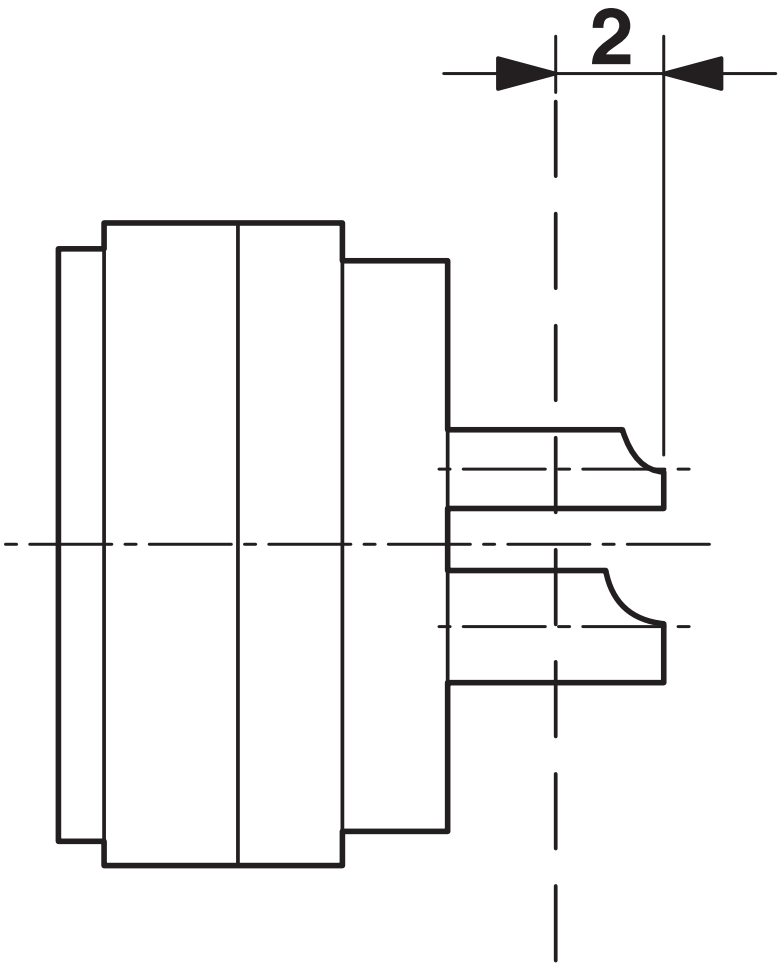
Drawings

Schematic diagram



Connector pin assignment

Schematic diagram



Dimensional drawing

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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	ef9b1bb3-6bf2-4ee1-9009-b729ed08a385

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