RC-12S1N8A80ZS - Cable connector

1616882

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CRIMP



M23, Cable connector, application: Signal, straight, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, 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. Alternative products: 1629212

Commercial data

Item number	1616882
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABRAFA
GTIN	4046356586023
Weight per piece (including packing)	76.6 g
Weight per piece (excluding packing)	70.753 g
Country of origin	DE

Technical data

Notes

Order information:	Order crimp contacts Ø 1 mm separately

Product properties

Product type	Circular connector (cable-side)
Series	RC
Application	Signal
Number of positions	12
Connection profile	17
Shielded	yes
Coding	N
Thread type	M23

Material specifications

Seal material	NBR

Connection data

Conductor connection

Connection method	Crimp connection

Electrical properties

Contact

Contact diameter	1 mm
Nominal current I_N	8 A
Nominal voltage U_N	48 V AC
	74 V DC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	100

Connector

Type	straight
Direction of rotation	Standard

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	Standard
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

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

Cable/line

External cable diameter	3 mm ... 10.5 mm

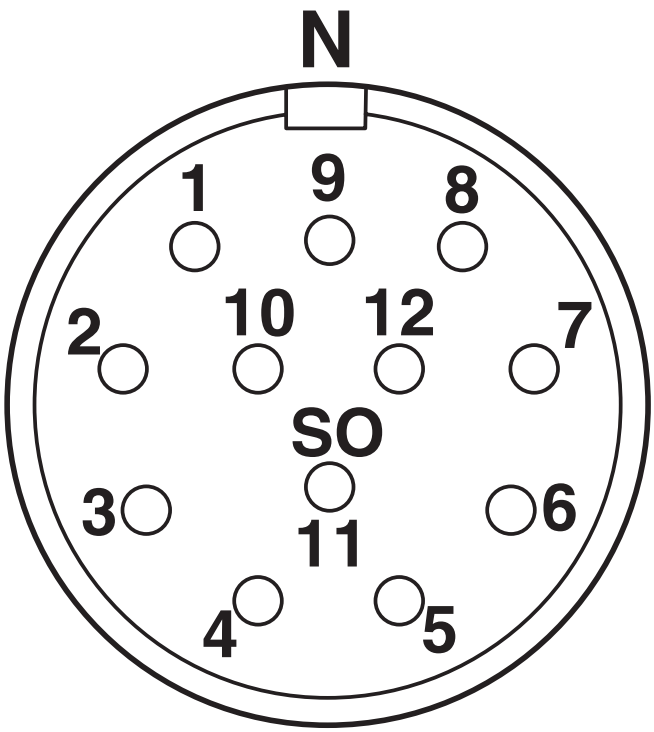
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
	IP65
Altitude	2000 m

Drawings

Schematic diagram



Connector pin assignment

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	c8331d82-f925-474d-acfa-e9b687602950

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