RC-09S1N8AT0EP - Cable connector

1610581

https://www.phoenixcontact.com/us/products/1610581

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CRIMP



Example photograph

Cable connector, this item is expected to be lead-free from Q1 2027 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance. 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	1610581
Packing unit	8 pc
Minimum order quantity	8 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAFC
GTIN	4046356263832
Weight per piece (including packing)	144.21 g
Weight per piece (excluding packing)	138.148 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Order information:	Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately

Product properties

Product type	Circular connector (cable-side)
Series	NC
	RC
	RM
	TU
	UC
Application	Signal
Number of positions	9
Connection profile	8+1
Coding	N

Connection data

Conductor connection

Connection method	Crimp connection

Electrical properties

Contact: Contact group 1

Contact diameter	2 mm
Min. cross section	1.5 mm²
Max. cross section	2.5 mm²
Nominal current I_N	20 A
Nominal voltage U_N	48 V AC
	74 V DC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV

Contact: Contact group 2

Contact diameter	1 mm
Min. cross section	0.14 mm²
Max. cross section	0.56 mm²
Nominal current I_N	8 A
Nominal voltage U_N	48 V AC
	74 V DC

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	50

Connector

Direction of rotation	Standard

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	18aaa6ee-11f9-4808-aff0-869d4e3d0d65

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