

# CA-1RP1N8A0000 - Contact insert



1623627

<https://www.phoenixcontact.com/us/products/1623627>

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Contact insert, M23, number of positions: 16+2+FE, contact connection type: Pin, Crimp connection, series: CA, RC

## Commercial data

Item number	1623627
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AB31
Product key	ABRAET
GTIN	4055626170596
Weight per piece (including packing)	2.61 g
Weight per piece (excluding packing)	2.167 g
Customs tariff number	85472000
Country of origin	DE

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## Technical data

### Notes

Order information:	Order crimp contacts 16x Ø 1 mm, 2x Ø 1.5 mm, 1x Ø 1.5 mm (FE, first) separately
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### Product properties

Product type	Contact insert
Series	CA RC
Application	Signal
Number of positions	19
Connection profile	16+2+FE
No. of control contacts	19
Coding	N
Thread type	M23

### Electrical properties

#### Contact: Contact group 1

Contact diameter	1.5 mm
Min. cross section	0.08 mm <sup>2</sup>
Max. cross section	1 mm <sup>2</sup>
Nominal current I <sub>N</sub>	10 A (for max. connection cross section)
Nominal voltage U <sub>N</sub>	48 V AC 74 V DC
Overvoltage category	II
Degree of pollution	3
Rated surge voltage	1.5 kV

#### Contact: Contact group 2

Contact diameter	1 mm
Min. cross section	0.08 mm <sup>2</sup>
Max. cross section	1 mm <sup>2</sup>
Nominal current I <sub>N</sub>	8 A
Nominal voltage U <sub>N</sub>	48 V AC 74 V DC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV

### Connection data

Connection method	Crimp connection
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### Material specifications

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Material Insulating body	PA 6.6
Flammability rating according to UL 94	V0

## Connector

Direction of rotation	Standard
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## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	100
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
Altitude	2000 m

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## Drawings

Schematic diagram



Connector pin assignment

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## Classifications

### ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

### ETIM

ETIM 10.0	EC003557
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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