# CA-07P1N8A9008 - Coupler connector

1620037

https://www.phoenixcontact.com/us/products/1620037

**PHŒNIX** CONTACT

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M23, Coupler connector, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 10 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243975

## Your advantages

- · Safe use in the field, thanks to high degree of protection
- · Connector for flexible on-site assembly
- Consistent EMC protection for reliable transmission of signals
- · Crimping connection: vibration- and temperature-resistant assembly

### Commercial data

| Item number                          | 1620037                        |
|--------------------------------------|--------------------------------|
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | AB31                           |
| Product key                          | ABRAEG                         |
| Catalog page                         | Page 88 (C-2-2019)             |
| GTIN                                 | 4046356819589                  |
| Weight per piece (including packing) | 89.1 g                         |
| Weight per piece (excluding packing) | 89 g                           |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

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## Technical data

### **Product properties**

Product type

# Connector

| Insulating | body |
|------------|------|
|------------|------|

| Note   | Order information: Order 7 x Ø 2 mm crimp contacts separately |
|--|---|
| Coding                                       | Ν   |
| Insulation body material                     | PA 6.6  |
| Connection method                            | Crimp connection  |
| Contact switching type                       | Pin   |
| Application                                  | Signal  |
| Number of positions                          | 7   |
| Direction of rotation                        | Standard  |
| Connection profile                           | 7   |
| Contact diameter Signal contacts             | 2 mm  |
| Litz wire cross-section Signal contacts min. | 1 mm <sup>2</sup>   |
| Litz wire cross-section Signal contacts max. | 2.5 mm <sup>2</sup>   |
| Nominal current per signal contact           | 20 A  |
| Rated voltage Signal contact                 | 48 V AC   |
| Rated surge voltage                          | 1.5 kV  |
| Overvoltage category                         | III   |
| Degree of pollution                          | 3   |

Circular connector (cable-side)

Housing

| Housing material                  | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
|-----------------------------------|--|
| Type of locking                   | for standard and SPEEDCON interlock                                  |
| Pg screw connection               | none   |
| Degree of protection (plugged in) | IP67   |
| Thread type                       | M23  |

#### Seal

| External cable diameter | 10 mm 14.5 mm |
|-------------------------|---------------|
| Seal material           | NBR           |

### Environmental and real-life conditions

#### Ambient conditions

| Ambient temperature (operation)          | -40 °C 125 °C |
|--|---------------|
| Ambient temperature (storage/transport)  | 15 °C 25 °C   |
| Permissible humidity (storage/transport) | 50 % 65 %     |





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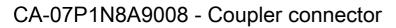
# Classifications

### ECLASS

| ECLASS-11.0 | 27440102 |
|-------------|----------|
| ECLASS-12.0 | 27440116 |
| ECLASS-13.0 | 27440116 |

### ETIM

|        | ETIM 9.0    | EC002635 |
|--------|-------------|----------|
| UNSPSC |             |          |
|        | UNSPSC 21.0 | 39121400 |



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## Environmental product compliance

| REACh SVHC | Lead 7439-92-1  |
|------------|---|
|            |   |
|            |   |
| China RoHS | Environmentally Friendly Use Period = 50 years  |
|            | For information on hazardous substances, refer to the<br>manufacturer's declaration available under "Downloads" |

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