

## Coupler connector - CA-07P1N8A9007 - 1620080

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Coupling connector, straight, shielded: yes, SPEEDCON locking, M23, Number of positions: 7, Type of contact: Male connector, Crimp connection, Cable diameter: 6 mm ... 10 mm

The figure shows the 6-pos. product version

### Product Features

- 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



### Key Commercial Data

|                      |          |
|----------------------|----------|
| Packing unit         | 1 pc     |
| Custom tariff number | 85366990 |
| Country of origin    | Germany  |

### Technical data

#### Temperature range

|                                 |                   |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -40 °C ... 125 °C |
|---------------------------------|-------------------|

#### Data of the insulating body

|                                           |                  |
|-------------------------------------------|------------------|
| Coding                                    | N                |
| Insulator material                        | PA 66            |
| Contact connection method                 | Crimp connection |
| Type of contacts                          | Male connector   |
| Number of positions                       | 7                |
| Contact diameter of power contacts        | 2 mm             |
| Nominal current per power contact at 25°C | 20 A             |
| Nominal voltage, power contact            | 300 V            |

## Coupler connector - CA-07P1N8A9007 - 1620080

### Technical data

#### Data of the insulating body

|                      |    |
|----------------------|----|
| Overvoltage category | II |
| Degree of pollution  | 3  |

#### Housing data

|                                        |                                                                      |
|----------------------------------------|----------------------------------------------------------------------|
| Housing material                       | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Type of locking                        | SPEEDCON locking                                                     |
| Degree of protection (when plugged in) | IP67                                                                 |
| Thread type                            | M23                                                                  |

#### Cable seal data

|                     |       |
|---------------------|-------|
| Min. cable diameter | 6 mm  |
| Max. cable diameter | 10 mm |
| Sealing material    | NBR   |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 272607xx |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260702 |
| eCl@ss 7.0 | 27440102 |
| eCl@ss 8.0 | 27440102 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002635 |
| ETIM 5.0 | EC002635 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11     | 43172015 |
| UNSPSC 12.01  | 43201404 |
| UNSPSC 13.2   | 43201404 |

### Approvals

#### Approvals

## Coupler connector - CA-07P1N8A9007 - 1620080

### Approvals

Approvals

UL Recognized / cUL Recognized / EAC

Ex Approvals

Approvals submitted

### Approval details

UL Recognized



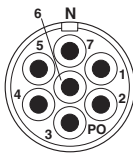
cUL Recognized



EAC

### Drawings

Schematic diagram



Dimensional drawing

