

## INDUSTRIAL COMPONENT DATA

# SM-7EP1N8A9002 1607063 PHOENIX CONTACT Coupler connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: SM-7EP1N8A9002



|                 |                                   |
|-----------------|-----------------------------------|
| Manufacturer    | PHOENIX CONTACT                   |
| MPN / Reference | SM-7EP1N8A9002                    |
| Catalog number  | 1607063                           |
| Category        | Sensor-actuator connector chassis |
| Minimum order   | 12 Pcs                            |
| Document ID     | EO-8A0E8E0BE6                     |
| Generated       | 2026-08-04                        |

## Product Overview

Coupler connector

Plug-in coupling connector, Short straight, Screw lock, M40, number of poles: 4+3+PE, contact type: Male, shielded: yes, protection index: IP67, cable diameter range: 9 mm ... 12.5 mm, number of poles: 8, connection type: Crimped connection, series: SM, Alternative product according to RoHS II without exception 6c (Pb< 0.1%) item code: 1242234

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

|              |                                                 |
|--------------|-------------------------------------------------|
| Catalog path | PHOENIX CONTACT > Field Device Connectors (FDC) |
|--------------|-------------------------------------------------|

## Additional Product Information

Key Commercial Data

Orderkey 1607063

Packing unit 12 pc

Note Made to Order (non-returnable)

GTIN 4046356255073

Weight per Piece (excluding packing) 245.940 g

Custom tariff number 85366990

Country of origin DE (Germany)

General

Note Order information: Order crimp contacts 4 x Ø 2 mm, 4 x Ø 3.6 mm separately

Type of locking Screw locking

Coding N

Contact connection method Crimp connection  
Type of contacts Pin  
Number of positions 8  
Contact diameter of power contacts 3.6 mm  
Nominal current per power contact at 25°C 70 A  
Contact diameter of signal contacts 2 mm  
Nominal current per signal contact at 25°C 30 A  
Conductor entry 9 mm ... 12.5 mm  
Pg housing screw connection none  
Ambient conditions  
Ambient temperature -40 °C ... 125 °C  
Degree of protection IP67  
Material  
Housing material Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)  
Insulator material PA 6.6  
Gasket and O-ring material FPM  
Specifications according to DIN EN 61984:2001  
Installation height max. 3000 m  
Nominal / operating voltage of power contacts 630 V  
Rated surge voltage of power contacts 6 kV  
Overvoltage category of power contacts III  
Degree of pollution of power contacts 3  
Nominal / operating voltage of signal contacts 250 V  
Rated surge voltage of signal contacts 4 kV  
Overvoltage category of signal contacts III  
Degree of pollution of signal contacts 3  
Environmental Product Compliance  
REACH SVHC Lead 7439-92-1  
China RoHS Environmentally Friendly Use Period = 50  
For details about hazardous substances...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SM-7EP1N8A9002 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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