INDUSTRIAL COMPONENT DATA

SM-7EP1N8A9003 1605826 PHOENIX CONTACT Coupler connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: SM-7EP1N8A9003



Manufacturer	PHOENIX CONTACT
MPN / Reference	SM-7EP1N8A9003
Catalog number	1605826
Category	Sensor-actuator connector chassis
Minimum order	12 Pcs
Document ID	EO-2E4B898A6C
Generated	2026-11-18

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: 12.5 mm ... 17 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: 1241999

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 1605826
Packing unit 12 pc
Note Made to Order (non-returnable)
Catalog page Page 82 (PC-2011)
GTIN 4046356182515
Weight per Piece (excluding packing) 554.000 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 12.5 mm ... 17 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 de...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SM-7EP1N8A9003 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.