INDUSTRIAL COMPONENT DATA

SM-7ES1N8AY000 1605865 PHOENIX CONTACT Device connector, front mounting with knurled nut

Brand: PHOENIX CONTACT | Manufacturer Part Number: SM-7ES1N8AY000



Manufacturer	PHOENIX CONTACT
MPN / Reference	SM-7ES1N8AY000
Catalog number	1605865
Category	Circular connector, mounting (without cable)
Minimum order	1 Pcs
Document ID	EO-35FF714421
Generated	2026-11-19

Product Overview

Device connector, front mounting with knurled nut
Plug-in connector for front wall appliances with knurled nut, straight, Screw lock, M40, number of poles: 4+3+PE, contact type: Female, Axial O-ring, 4x Ø4.2, shielded: yes, flange measurement: 40 mm x 40 mm, protection index: IP67, cable diameter range: 0 mm ... 0 mm, number of poles: 8, connection type: Crimped connection, series: SM

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 1605865
Packing unit 1 pc
Note Made to Order (non-returnable)
Catalog page Page 166 (C-2-2017)
GTIN 4046356255370
Weight per Piece (excluding packing) 268.770 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 Socket
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 0 mm ... 0 mm
Pg housing screw connection none
Mounting type 4x Ø4,2
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....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SM-7ES1N8AY000 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.