INDUSTRIAL COMPONENT DATA

SMKDS 1/ 7-3,81 BD:SDA-SE 1826059 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: SMKDS 1/ 7-3,81 BD:SDA-SE

Manufacturer	PHOENIX CONTACT
MPN / Reference	SMKDS 1/ 7-3,81 BD:SDA-SE
Catalog number	1826059
Category	Printed circuit board terminal
Minimum order	50 Pcs
Document ID	EO-0F8FED1FC1
Generated	2026-08-05

Product Overview

PCB terminal block
Terminal block for printed circuit board, nominal current: 10 A, nominal voltage (III/2): 200 V, nominal section: 1 mm², number of rows: 1, number of poles per row: 7, article family: SMKDS 1, pitch: 3.81 mm, connection type: Screw connection with traction capsule, screw clamping form: L Longitudinal slot, Mounting: Wave Soldering, Conductor/PCB Connection Direction: 35°, Color: Green, Pin Arrangement: Linear Pin Arrangement, Pin Length [P]: 3.5mm, Number of Solder Pins per Potential: 1, Packaging Type: Boxed Packaged

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 > PCB Connectors (PCC)

Additional Product Information

Key Commercial Data
Orderkey 1826059
Packing unit 1
GTIN 4046356833981
Custom tariff number 85369010
Dimensions
Length [l] 10 mm
Pitch 3.81 mm
Dimension a 22.86 mm
Width [w] 26.66 mm

Height 9.5 mm
Height [h] 13 mm
Solder pin [P] 3.5 mm
Hole diameter 1.1 mm
General
Range of articles SMKDS 1
Rated surge voltage (III/3) 2.5 kV
Rated surge voltage (III/2) 2.5 kV
Rated surge voltage (II/2) 2.5 kV
Rated voltage (III/3) 160 V
Rated voltage (III/2) 200 V
Rated voltage (II/2) 400 V
Connection in acc. with standard EN-VDE
Nominal current IN 10 A
Nominal cross section 1 mm²
Solder pin surface
Stripping length 5 mm
Number of positions 7
Screw thread M2
Tightening torque, min 0.22 Nm
Tightening torque max 0.25 Nm
Connection data
Conductor cross section AWG min. 26
Conductor cross section AWG max. 16
2 conductors with same cross section, solid min. 0.14 mm²
2 conductors with same cross section, solid max. 0.5 mm²
2 conductors with same cross section, stranded min. 0.14 mm²
2 conductors with same cross section, stranded max. 0.2 mm²
Standards and Regulations
Connection in acc. with standard EN-VDE
Environmental Product Compliance
China RoHS Environmentally Friendly Use Period = 50
For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”
Classifications
eCl@ss 4.027141109eCl@ss 4.127141109eCl@ss 5.027141190eCl@ss 5.127261100eCl@ss 6.027261100eCl@ss 7.027440401eCl@ss 8.027440401eCl@ss 9.027440401
ETIM 3.0EC001121ETIM 4.0EC002643ETIM 5.0EC00264...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SMKDS 1/ 7-3,81 BD:SDA-SE 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.