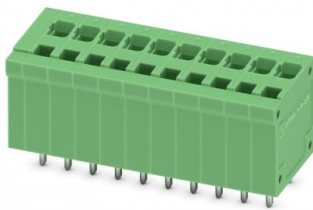


## INDUSTRIAL COMPONENT DATA

# ZFKDS 1-V-3,81 BK 1766022 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: ZFKDS 1-V-3,81 BK



|                 |                                |
|-----------------|--------------------------------|
| Manufacturer    | PHOENIX CONTACT                |
| MPN / Reference | ZFKDS 1-V-3,81 BK              |
| Catalog number  | 1766022                        |
| Category        | Printed circuit board terminal |
| Minimum order   | 50 Pcs                         |
| Document ID     | EO-B5C7A762E4                  |
| Generated       | 2026-08-03                     |

## Product Overview

### PCB terminal block

Terminal block for printed circuit board, nominal current: 12 A, nominal voltage (III/2): 200 V, nominal cross-section: 1 mm<sup>2</sup>, number of potentials: 1, number of rows: 1, number of poles per row: 1, article family: ZFKDS(A) 1-V, pitch: 3.81 mm, connection type: Spring connection, mounting: Wave soldering, conductor connection direction/printed circuit board: 90 °, color: black, Pin arrangement: Linear pin arrangement, Pin length [P]: 3.5 mm, number of welding pins per potential: 2, packaging type: boxed packaging. Individual disc for the individual composition of different numbers of poles. To complete the block, an additional terminal block is required (see accessories). Block-bound items in different numbers of poles are also available.

PCB terminal block, rated current: 12 A, dimensioning voltage (III/2): 200 V, nominal cross-section: 1 mm<sup>2</sup>, number of potentials: 1, number of rows: 1, number of poles per row: 1, product series: ZFKDS(A) 1-V, pitch: 3.81 mm, connection type: Spring connection, mounting: wave soldering, conductor/board connection direction: 90°, Color: Black, Pin Layout: Linear Pinning, Pin Length [P]: 3.5mm, Number of Soldering Pins per Potential: 2, Package Type: Packed in the carton. Single module for combining different numbers of poles depending on individual requirements. An additional end clamp is required for locking the lock (see A...

## 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 &gt; PCB Connectors (PCC)

## Additional Product Information

### Key Commercial Data

Orderkey 1766022

Packing unit 50 pc

Minimum order quantity 50 pc

Note Made to Order (non-returnable)

GTIN 4046356431842

Weight per Piece (excluding packing) 1.230 g

Custom tariff number 85369010

Country of origin PL (Poland)

Dimensions

Length [ L ] 15.9 mm

Pitch 3.81 mm

Height 16 mm

Solder pin [P] 3.5 mm

Hole diameter 1.2 mm

General

Range of articles ZFKDS(A) 1-V

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) 200 V

Rated voltage (III/2) 200 V

Rated voltage (II/2) 400 V

Connection in acc. with standard EN-VDE

Nominal current I<sub>N</sub> 12 A

Nominal cross section 1 mm<sup>2</sup>

Solder pin surface

Stripping length 7.5 mm

Number of positions 1

Connection data

Conductor cross section AWG min. 26

Conductor cross section AWG max. 16

Standards and Regulations

Connection in acc. with standard EN-VDE

CUL

Environmental Product Compliance

China RoHS Environmentally friendly use period: unlimited = EFUP-e

No hazardous substances above threshold values

Classifications

eCl@ss 4.027141111eCl@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 5.0EC002643ETIM 6.0EC002643

UNSPSC 6.0130211801UNSPSC 7.090139121432UNSPSC 1139121432UNSPSC 12.0139121432UNSPSC

13.239121432

ETIM for 1766022 Connectors (EC002643)

Feature Name

Feature Value

Height (EF000040)

18.75 mm

Number of electrical connections (EF008252)

1

Nu...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / ZFKDS 1-V-3,81 BK 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

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

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