

**INDUSTRIAL COMPONENT DATA**

# SPTAF 1/ 3-5,0-IL BK 1002141 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: SPTAF 1/ 3-5,0-IL BK



|                 |                                |
|-----------------|--------------------------------|
| Manufacturer    | PHOENIX CONTACT                |
| MPN / Reference | SPTAF 1/ 3-5,0-IL BK           |
| Catalog number  | 1002141                        |
| Category        | Printed circuit board terminal |
| Minimum order   | 125 Pcs                        |
| Document ID     | EO-B538641363                  |
| Generated       | 2026-08-04                     |

## Product Overview

PCB terminal block

Terminal block for printed circuit board, nominal current: 16 A, nominal voltage (III/2): 320 V, nominal section: 1.5 mm<sup>2</sup>, number of potentials: 3, number of rows: 1, number of poles per row: 3, family of articles: SPTAF 1/.. -IL, pitch: 5 mm, connection type: Push-in spring connection, mounting: Wave soldering, conductor/printed circuit board connection direction: 45 °, color: black, Pin arrangement: Linear pin arrangement, Pin length [P]: 2.6 mm, number of solder pins per potential: 2, packaging type: boxed

**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 1002141

Packing unit 1

GTIN 4055626469065

Custom tariff number 85369010

Item properties

Brief article description PCB terminal block

Range of articles SPTAF 1/..-IL

Pitch 5 mm

Number of positions 3

Connection method Push-in spring connection

Mounting type Wave soldering

Pin layout Linear double pinning

Number of levels 1

Electrical parameters

Rated current 16 A

Rated insulation voltage (III/2) 320 V

Rated surge voltage (III/2) 4 kV

Connection capacity

Conductor cross section solid 0.2 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>

Conductor cross section flexible 0.2 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>

Conductor cross section AWG / kcmil 24 ... 16

Conductor cross section flexible, with ferrule without plastic sleeve 0.25 mm<sup>2</sup> ... 0.75 mm<sup>2</sup>

Conductor cross section, flexible, with ferrule, with plastic sleeve 0.25 mm<sup>2</sup> ... 0.75 mm<sup>2</sup>

Stripping length 8 mm

Material data - contact

Note WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/JEDEC JESD 201

Contact material Cu alloy

Surface characteristics hot-dip tin-plated

Metal surface terminal point (top layer) Tin (2 - 4 µm Sn)

Metal surface soldering area (top layer) Tin (2 - 4 µm Sn)

Material data - housing

Insulating material PA

Insulating material group I

CTI according to IEC 60112 600

Flammability rating according to UL 94 V0

Dimensions for the product

Dimensional drawing

Length [ l ] 11 mm

Width [ w ] 15 mm

Height [ h ] 10.6 mm

Pitch 5 mm

Height (without solder pin) 8 mm

Solder pin [P] 2.6 mm

Pin spacing 5 mm

Pin dimensions 0.75 x 0.3 mm...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SPTAF 1/ 3-5,0-IL 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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