

## INDUSTRIAL COMPONENT DATA

# IDC 0,3/12-3,81 1706277 PHOENIX CONTACT PCB terminal block, Nominal current: 5 A, Nom. voltage: 160 V, Pitch..

Brand: PHOENIX CONTACT | Manufacturer Part Number: IDC 0,3/12-3,81



|                 |                                |
|-----------------|--------------------------------|
| Manufacturer    | PHOENIX CONTACT                |
| MPN / Reference | IDC 0,3/12-3,81                |
| Catalog number  | 1706277                        |
| Category        | Printed circuit board terminal |
| Minimum order   | 50 Pcs                         |
| Document ID     | EO-5BD07F2EE6                  |
| Generated       | 2026-07-29                     |

## Product Overview

PCB terminal block, Nominal current: 5 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 12, Connection method: Displacement connection, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green  
Terminal block for printed circuit board, nominal current: 5 A, nominal voltage (III/2): 160 V, nominal cross-section: 0.34 mm<sup>2</sup>, number of potentials: 12, number of rows: 1, number of poles per row: 12, article family: IDC 0.3, pitch: 3.81 mm, connection type: Offset connection, mounting: Wave soldering, conductor connection direction/printed circuit board: 0 °, color: green, Pin arrangement: Linear pin arrangement, Pin length [P]: 3.4 mm, number of welding pins per potential: 1, 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 > PCB Connectors (PCC) |
|--------------|----------------------------------------|

## Additional Product Information

## Dimensions

Length 10 mm

Pitch 3.81 mm

Dimension a 41.91 mm

Constructional height 15 mm

Length of the solder pin 3.5 mm

Pin dimensions 1 x 0,4 mm

Hole diameter 1.3 mm

## General

Range of articles IDC 0,3  
Insulating material group I  
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) 160 V  
Rated voltage (II/2) 320 V  
Connection in acc. with standard EN-VDE  
Nominal current IN 5 A  
Nominal cross section 0.34 mm<sup>2</sup>  
Maximum load current 5 A (with 0.34 mm<sup>2</sup> conductor cross section)  
Insulating material PA  
Solder pin surface Sn  
Flammability rating according to UL 94 V0  
Number of positions 12  
Connection data  
Conductor cross section solid min. 0.13 mm<sup>2</sup>  
Conductor cross section solid max. 0.34 mm<sup>2</sup>  
Conductor cross section flexible min. 0.22 mm<sup>2</sup>  
Conductor cross section flexible max. 0.34 mm<sup>2</sup>  
Conductor cross section AWG min. 26  
Conductor cross section AWG max. 22  
Wire diameter incl. insulation 1.8 mm  
ETIM for 1706277 Connectors (EC002643)  
Feature Name  
Feature Value  
Height (EF000040)  
22.2 mm  
Number of electrical connections (EF008252)  
12  
Number of levels (EF002659)  
1  
Modular spacing connections (EF006827)  
3.81 mm  
Rated current In (EF008250)  
5 A  
Rated voltage (EF000228)  
160 V  
Rated surge voltage (EF002993)  
2.5 kV  
Over voltage category (EF006785)  
III  
Pollution degree (EF006786)  
2  
Connectable conductor cross section solid-core (EF007337)  
0.13 mm<sup>2</sup>

Connectable conductor cross section fine-strand without....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / IDC 0,3/12-3,81 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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