

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	2026-08-03

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 mm², 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 mm²
Maximum load current 5 A (with 0.34 mm² 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 mm²
Conductor cross section solid max. 0.34 mm²
Conductor cross section flexible min. 0.22 mm²
Conductor cross section flexible max. 0.34 mm²
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 mm²

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 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.