PCB terminal block - IDC 0,3/ 3-3,81 - 1706183

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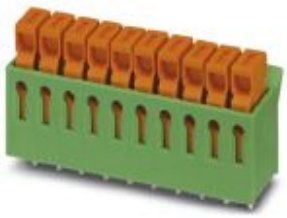

The figure shows a 10-position version of the product

PCB terminal block, nominal current: 5 A, rated voltage (III/2): 160 V, nominal cross section: 0.34 mm², pitch: 3.81 mm, number of positions: 3, connection method: Displacement connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.4 mm

Your advantages

- Connection without conductor pretreatment for huge time savings
- Intuitive use through colour coded actuation lever

Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	4 017918 116682
GTIN	4017918116682

Technical data

Item properties

Brief article description	PCB terminal block
Range of articles	IDC 0,3
Pitch	3.81 mm
Number of positions	3
Connection method	Displacement connection
Mounting type	Wave soldering
Pin layout	Linear pinning
Number of levels	1
Number of connections	3
Number of potentials	3

Electrical parameters

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Technical data

Electrical parameters

Nominal current	5 A
Nom. voltage	160 V
Rated voltage	160 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	320 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

Connection capacity

Connection method	Displacement connection
pluggable	no
Conductor cross section solid	0.13 mm² ... 0.34 mm²
Conductor cross section flexible	0.22 mm² ... 0.34 mm²
Conductor cross section AWG / kcmil	26 ... 22

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	Tin-plated
Metal surface terminal point (top layer)	Tin (5 - 7 µm Sn)
Metal surface terminal point (middle layer)	Nickel (2 - 3 µm Ni)
Metal surface soldering area (top layer)	Tin (5 - 7 µm Sn)
Metal surface soldering area (middle layer)	Nickel (2 - 3 µm Ni)

Material data - housing

Housing color	green (6021)
Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

Dimensions for the product

Caption	Schematic representation – for additional information, see product range drawing in the Download Center
Length [l]	12.4 mm
Width [w]	12.62 mm
Height [h]	22.2 mm
Pitch	3.81 mm
Height (without solder pin)	18.8 mm

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Technical data

Dimensions for the product

Solder pin [P]	3.4 mm
Pin dimensions	1 x 0.4 mm

Dimensions for PCB design

Hole diameter	1.3 mm

Packaging information

Type of packaging	packed in cardboard
Pieces per package	50
Denomination packing units	Pcs.

Electrical tests

Rated current	5 A
Conductor cross section	0.34 mm²
Rated voltage (III/2)	160 V
Rated surge voltage (III/2)	2.5 kV

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

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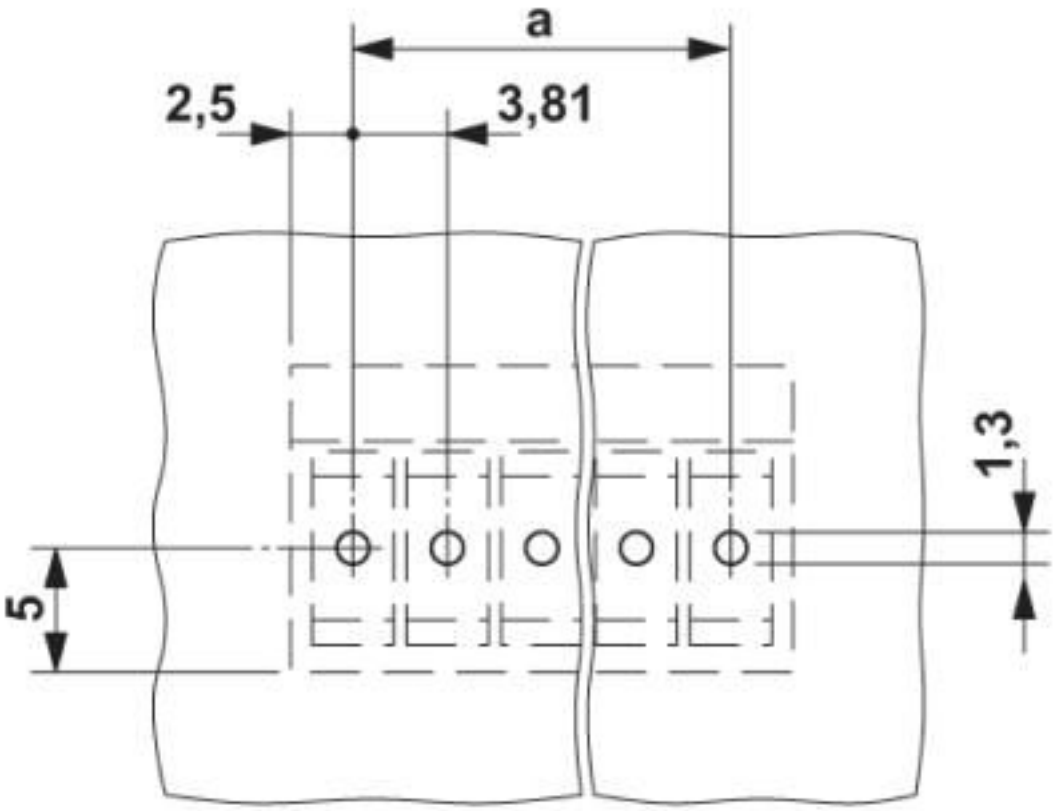
Drilling diagram



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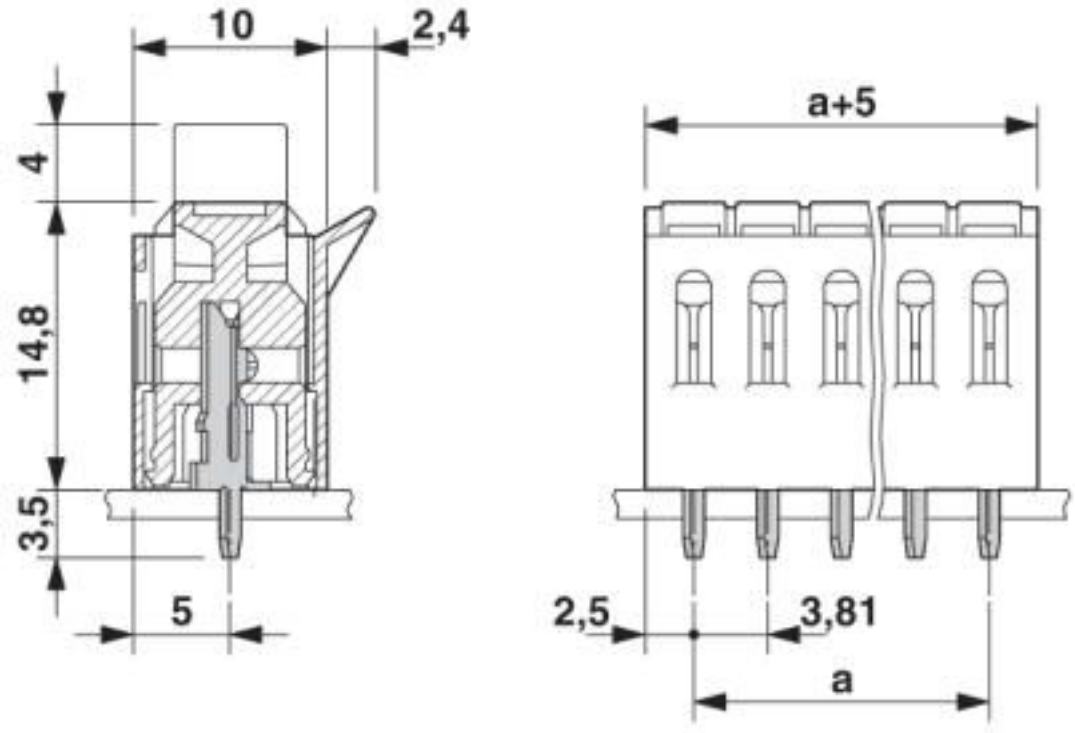
Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27440401
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27261100
eCl@ss 6.0	27261100
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643
ETIM 6.0	EC002643
ETIM 7.0	EC002643

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432

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Classifications

UNSPSC

UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432
UNSPSC 18.0	39121432
UNSPSC 19.0	39121432
UNSPSC 20.0	39121432
UNSPSC 21.0	39121432

Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631

	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	5 A	5 A
mm²/AWG/kcmil	28-22	28-22

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

	B	D
Nominal voltage UN	250 V	300 V
Nominal current IN	5 A	5 A
mm²/AWG/kcmil	28-22	28-22

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

	B	D
Nominal voltage UN	250 V	300 V

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Approvals

	B	D
Nominal current IN	5 A	5 A
mm²/AWG/kcmil	28-22	28-22

EAC B.01687

cULus Recognized

Accessories

Accessories

Labeled terminal marker

Marker card - SK 3,81/2,8:FORTL.ZAHLEN - 0804109

Marker card, Card, white, labeled, horizontal: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... (99)100, mounting type: adhesive, for terminal block width: 3.81 mm, lettering field size: 3.81 x 2.8 mm

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com

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