



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



PCB terminal block - PTDA 2,5/ 3-5,0 - 1725315

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

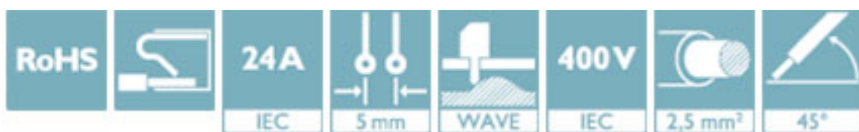
PCB terminal block, nominal current: 24 A, nom. voltage: 400 V, pitch: 5 mm, number of positions: 3, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green




The figure shows a 10-position version of the product

Why buy this product

- Time saving push-in connection, tools not required
- Defined contact force ensures that contact remains stable over the long term
- Potentials can be easily looped through – ideal for BUS applications
- Quick and convenient testing using integrated test option
- Rounded type for individual device design
- Two solder pins reduce the mechanical strain on the soldering spots



Key Commercial Data

Packing unit	50 STK
GTIN	 4 046356 129268
GTIN	4046356129268

Technical data

Dimensions

Length [l]	16 mm
Pitch	5 mm
Dimension a	10 mm
Width [w]	15 mm
Constructional height	16 mm
Height [h]	19.5 mm
Solder pin [P]	3.5 mm
Pin dimensions	1 x 0,4 mm
Pin spacing	5 mm

PCB terminal block - PTDA 2,5/ 3-5,0 - 1725315

Technical data

Dimensions

Hole diameter	1.3 mm
---------------	--------

General

Range of articles	PTDA 2,5/
Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	320 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	24 A
Nominal cross section	2.5 mm ²
Maximum load current	24 A
Insulating material	PA
Flammability rating according to UL 94	V0
Stripping length	10 mm
Number of positions	3

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	1 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	2.5 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	2.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm ²

PCB terminal block - PTDA 2,5/ 3-5,0 - 1725315

Technical data

Standards and Regulations

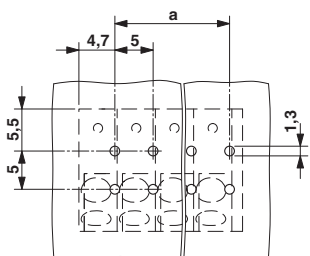
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

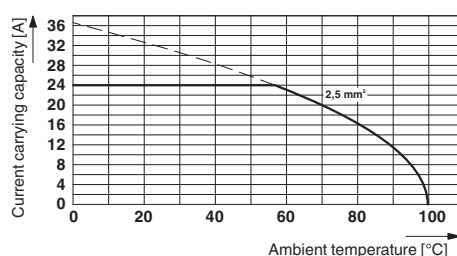
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Drilling diagram

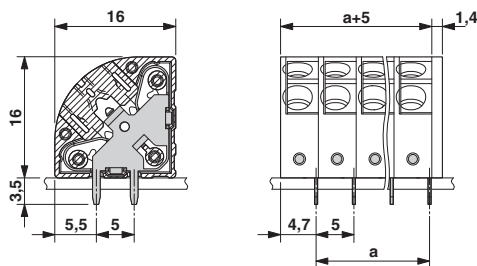


Diagram



Derating diagram for 5 positions; reduction factor=0.8

Dimensional drawing



Approvals

Approvals

Approvals


VDE Gutachten mit Fertigungsüberwachung / CCA / IEC CB Scheme / EAC / cULus Recognized

Ex Approvals


Approval details

PCB terminal block - PTDA 2,5/ 3-5,0 - 1725315


Approvals

VDE Gutachten mit Fertigungsüberwachung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40030462
Nominal voltage UN		250 V	
Nominal current IN		24 A	
mm ² /AWG/kcmil		0.2-2.5	

CCA	DE1 34029		
Nominal voltage UN		250 V	
Nominal current IN		24 A	
mm ² /AWG/kcmil		0.2-2.5	

IECEE CB Scheme		http://www.iecee.org/	DE1-46805
Nominal voltage UN		250 V	
Nominal current IN		24 A	
mm ² /AWG/kcmil		0.2-2.5	

EAC		B.01742
-----	---	---------

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20030211
	D	B	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	15 A	
mm ² /AWG/kcmil	24-14	24-14	

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

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