

## PCB terminal block - PTSA 1,5/ 3-3,5-Z - 1985205

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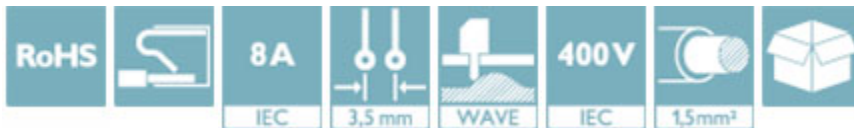


PCB terminal block, Nominal current: 8 A, Nom. voltage: 400 V, Pitch: 3.5 mm, Number of positions: 3, Connection method: Push-in spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 45 °, Color: green, Offset soldering legs, two-rowed

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
- ✓ Angled connection enables multi-row arrangement on the PCB



### Key Commercial Data

Packing unit	1 STK
Minimum order quantity	250 STK
Weight per Piece (excluding packing)	1.760 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Length	12 mm
Pitch	3.50 mm
Dimension a	7 mm
Width	12 mm
Constructional height	13.1 mm
Height	16.7 mm
Length of the solder pin	3.6 mm
Pin dimensions	0,4 x 0,75 mm

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## Technical data

### Dimensions

Pin spacing	3.5 mm
Hole diameter	1 mm

### General

Range of articles	PTSA 1,5
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)	250 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	8 A
Nominal cross section	1.5 mm <sup>2</sup>
Maximum load current	8 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	9 mm
Number of positions	3

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	1 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16

### Standards and Regulations

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

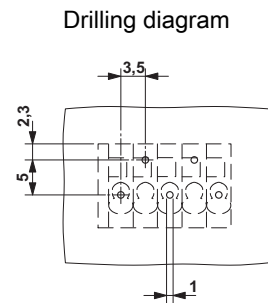
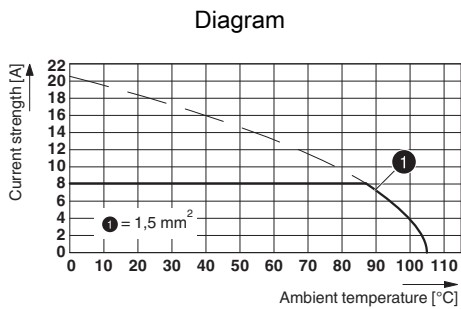
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## Technical data

### Environmental Product Compliance

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

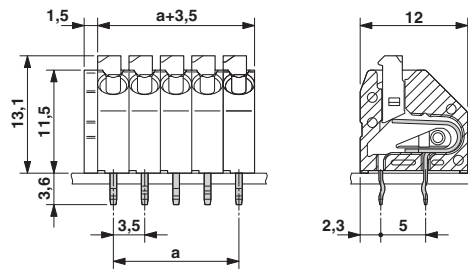
## Drawings



Type: PTSA 1,5/4-3,5-Z  
 Tested in accordance with DIN EN 60512-5-2:2003-01  
 Reduction factor = 1  
 Number of positions: 4

The illustration shows the drilling plan of the 5-pos. version of the article – Zig-zag pinning starts at the right-hand position. Other pinning available on request.

### Dimensional drawing



The illustration shows the dimensional drawing of the 5-position product version

## Approvals

### Approvals

Approvals


UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / CCA / EAC / cULus Recognized

Ex Approvals


# PCB terminal block - PTSA 1,5/ 3-3,5-Z - 1985205

## Approvals


### Approval details

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

	B	D
mm <sup>2</sup> /AWG/kcmil	24-16	24-16
Nominal current I <sub>N</sub>	5 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung  <http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx> 40018594

mm <sup>2</sup> /AWG/kcmil	0.5-0.75
Nominal current I <sub>N</sub>	2 A
Nominal voltage U <sub>N</sub>	250 V


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

	B	D
mm <sup>2</sup> /AWG/kcmil	24-16	24-16
Nominal current I <sub>N</sub>	5 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V

CCA CCA/DE1 34182/33276

mm <sup>2</sup> /AWG/kcmil	0.75
Nominal current I <sub>N</sub>	2 A

EAC B.01742

cULus Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

