

## PCB terminal block - PTSA 0,5/12-2,5-F - 1989845

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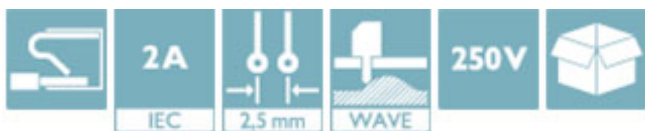


PCB terminal block, Nominal current: 2 A, Nom. voltage: 250 V, Pitch: 2.5 mm, Number of positions: 12, Connection method: Push-in spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 45 °, Color: green, Soldering legs in front area, one-rowed

The figure shows a 10-position version of the product

### Why buy this product

- Compact design with easy actuation and direct plug-in technology



### Key Commercial Data

Packing unit	50 STK
GTIN	4 017918 973445

### Technical data

#### Dimensions

Length	12 mm
Pitch	2.50 mm
Dimension a	27.5 mm
Width	31.5 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
Pin spacing	2.5 mm
Hole diameter	1 mm

#### General

Range of articles	PTSA 0,5
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV

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## Technical data

### General

Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	63 V
Rated voltage (III/2)	250 V
Rated voltage (II/2)	250 V
Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	2 A
Nominal cross section	0.5 mm <sup>2</sup>
Maximum load current	2 A
Insulating material	PA
Solder pin surface	Sn
Stripping length	9 mm
Number of positions	12

### Connection data

Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	0.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	0.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	20

### Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL

## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
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

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## Classifications

### UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	34131203
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

## Approvals

### Approvals


#### Approvals


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

#### Ex Approvals

#### Approvals submitted

## Approval details

UL Recognized 		
	B	D
mm <sup>2</sup> /AWG/kcmil	26-20	26-20
Nominal current IN	2 A	2 A
Nominal voltage UN	150 V	300 V

VDE Gutachten mit Fertigungsüberwachung 	
mm <sup>2</sup> /AWG/kcmil	0.5
Nominal current IN	2 A
Nominal voltage UN	130 V

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## Approvals

cUL Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	26-20	26-20
Nominal current I <sub>N</sub>	2 A	2 A
Nominal voltage U <sub>N</sub>	150 V	300 V

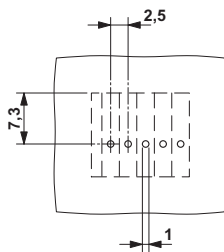
CCA	
mm <sup>2</sup> /AWG/kcmil	0.5
Nominal current I <sub>N</sub>	2 A

EAC
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cULus Recognized
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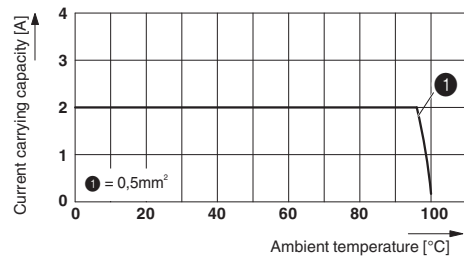
## Drawings

Drilling diagram



The illustration shows the 5-pos. version

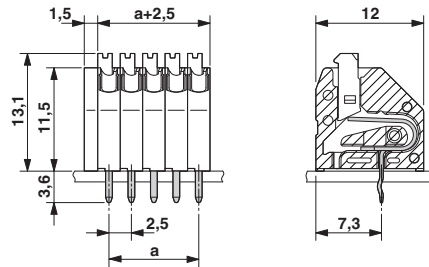
Diagram



Derating diagram for 5 pins;reduction factor=1

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Dimensional drawing



The illustration shows the 5-pos. version

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