

**PTSA 0,5/12-2,5-Z**

Order No.: 1990106

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1990106>

PC terminal block, Nominal current: 2 A, Nom. voltage: 160 V, Pitch: 2.5 mm, Number of positions: 12, Type of connection: Spring-cage conn., Conductor/PCB connection direction: 45 °, Color: green, Offset soldering legs, two-rowed

**Commercial data**

EAN	4017918973674
Pack	50 pcs.
Customs tariff	85369010
Weight/Piece	0.00477 KG
Catalog page information	Page 459 (CC-2009)

**Product notes**WEEE/RoHS-compliant since:  
01/29/2004

<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

**Technical data****Dimensions / positions**

Pitch	2.5 mm
Dimension a	27.5 mm
Number of positions	12

Pin dimensions	0,4 x 0,75
Pin spacing	2.5 mm
Hole diameter	1 mm

#### Technical data

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/2)	250 V
Rated voltage (II/2)	400 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	2 A
Nominal voltage $U_N$	160 V
Nominal cross section	0.5 mm <sup>2</sup>
Maximum load current	2 A
Insulating material	PA
Inflammability class acc. to UL 94	V0
Stripping length	9 mm

#### 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 stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	0.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	20

#### Certificates / Approvals



Certification CCA, CUL, UL, VDE-PZI

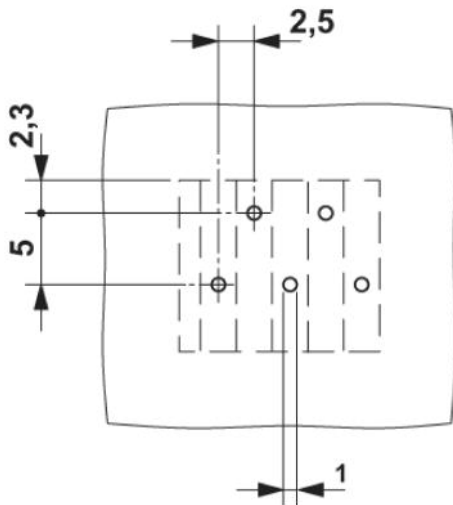
#### CUL

Nominal voltage $U_N$	300 V
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Nominal current $I_N$	2 A
AWG/kcmil	26-20
<b>UL</b>	
Nominal voltage $U_N$	300 V
Nominal current $I_N$	2 A
AWG/kcmil	26-20

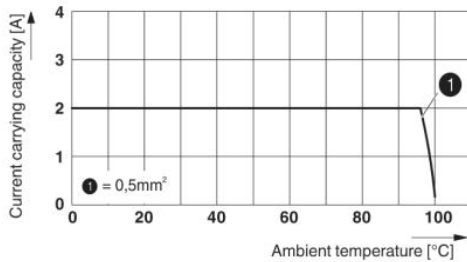
**Diagrams/Drawings**

Drilling plan/solder pad geometry



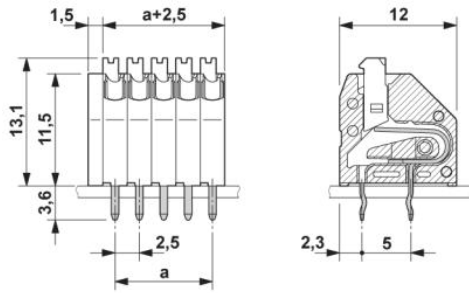
The illustration shows the 5-pos. version – Zig-zag pinning starts at the right-hand position. Other pinning available on request.

Diagram



Derating diagram for 5 pins; reduction factor=1

Dimensioned drawing



The illustration shows the 5-pos. version

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