

PCB terminal block - PTSA 0,5/16-2,5-Z - 1990148

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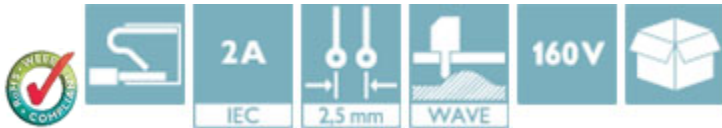


PCB terminal block, Nominal current: 2 A, Nom. voltage: 250 V, Pitch: 2.5 mm, Number of positions: 16, Connection method: Push-in spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 45 °, Color: green, Offset soldering legs, two-rowed

The figure shows a 10-position version of the product

Product Features

- Compact design with easy actuation and direct plug-in technology
- Dielectric strength and mechanical stability increased thanks to zigzag pinning. Pinning always starts at the front right position. Special pinning versions are available on request.



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	6.46 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

Dimensions

Length	12 mm
Pitch	2.50 mm
Dimension a	37.5 mm
Width	41.5 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

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Technical data

Dimensions

Hole diameter	1 mm
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General

Range of articles	PTSA 0,5
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/3)	160 V
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 cross section	0.5 mm ²
Maximum load current	2 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	9 mm
Number of positions	16

Connection data

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

Standards and Regulations

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

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701

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Classifications

eCl@ss

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

UNSPSC

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

Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

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Approvals

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

VDE Gutachten mit Fertigungsüberwachung	
mm ² /AWG/kcmil	0.5
Nominal current IN	2 A
Nominal voltage UN	250 V

cUL Recognized		
	B	D
mm ² /AWG/kcmil	26-20	26-20
Nominal current IN	2 A	2 A
Nominal voltage UN	300 V	300 V

CCA	
mm ² /AWG/kcmil	0.5
Nominal current IN	2 A

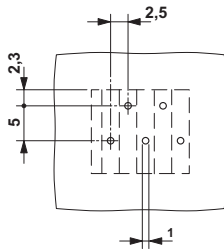
EAC

cULus Recognized		
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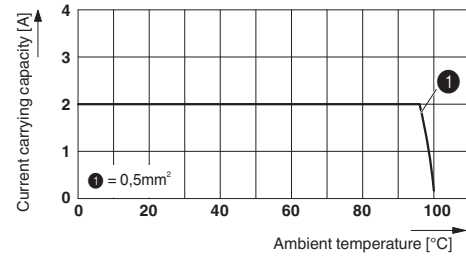
Drawings

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Drilling diagram



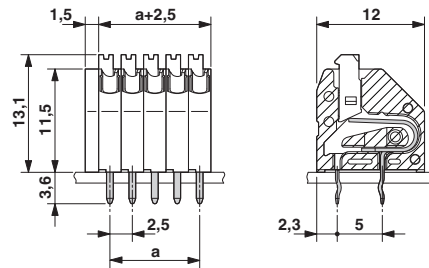
Diagram



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

Derating diagram for 5 pins; reduction factor=1

Dimensional drawing



The illustration shows the 5-pos. version