

PCB terminal block - PTSA 0.5/ 7-2.5-Z - 1990054

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://download.phoenixcontact.com>)



PC terminal block, Nominal current: 2 A, Nom. voltage: 250 V, Pitch: 2.5 mm, Number of positions: 7, Connection method: Spring-cage conn., Mounting: Soldering, Conductor/PCB connection direction: 45 °, Color: green, Offset soldering legs, two-rowed

The figure shows a 10-position version of the product

Product description

PC terminal block, Nominal current: 2 A, Nom. voltage: 250 V, Pitch: 2.5 mm, Number of positions: 7, Connection method: Spring-cage conn., Mounting: Soldering, Conductor/PCB connection direction: 45 °, Color: green, Offset soldering legs, two-rowed

Why buy this product

- ✓ Compact design with easy actuation and direct plug-in technology
- ✓ 2.5 mm pitch
- ✓ 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.
- ✓ Color coding and mixed pitches as an option



Key commercial data

Packing unit	1
Minimum order quantity	100
Catalog page	Page 517 (CC-2011)
GTIN	 4 017918 973629
Weight per piece (including packing)	0.0 GRM
Weight per Piece (excluding packing)	2.55 GRM
Country of origin	GERMANY

Technical data

Dimensions / positions

Length	12 mm
Height	13.1 mm
Pitch	2.5 mm
Dimension a	15 mm
Number of positions	7
Pin dimensions	0,4 x 0,75

PCB terminal block - PTSA 0.5/ 7-2.5-Z - 1990054

Technical data

Dimensions / positions

Pin spacing	2.5 mm
Hole diameter	1 mm

Technical data

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
Inflammability class according to UL 94	V0
Stripping length	9 mm
Nominal voltage, UL/CUL Use Group B	300 V
Nominal current, UL/CUL Use Group B	2 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	2 A

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	0.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	0.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	20
Minimum AWG according to UL/CUL	26
Maximum AWG according to UL/CUL	20

Classifications

eClass

eClass 4.0	272607xx
eClass 4.1	27260701
eClass 5.0	27141190
eClass 5.1	27141190
eClass 6.0	27261101

PCB terminal block - PTSA 0.5/ 7-2.5-Z - 1990054

Classifications

etim

ETIM 3.0	EC001121
ETIM 4.0	EC002643

unspsc

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

Approvals

Certificates

Certification

UL Recognized / VDE report with production monitoring / cUL Recognized / CCA / GOST / cULus Recognized

Certification EX

Certification submitted

Approval details

UL Recognized		
	B	D
mm ² /AWG/kcmil	26-20	26-20
Nominal current I _N	2 A	2 A
Nominal voltage U _N	300 V	300 V

VDE report with production monitoring	
mm ² /AWG/kcmil	0.5
Nominal current I _N	2 A
Nominal voltage U _N	250 V

cUL Recognized		
	B	D
mm ² /AWG/kcmil	26-20	26-20
Nominal current I _N	2 A	2 A

PCB terminal block - PTSA 0.5/ 7-2.5-Z - 1990054

Approvals

	B	D
Nominal voltage UN	300 V	300 V

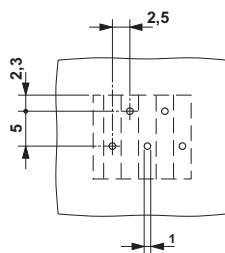
CCA	
mm²/AWG/kcmil	0.5
Nominal current IN	2 A

GOST

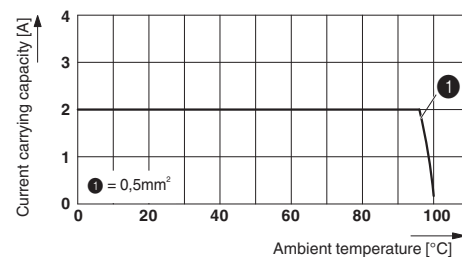
cULus Recognized

Drawings

Drilling diagram



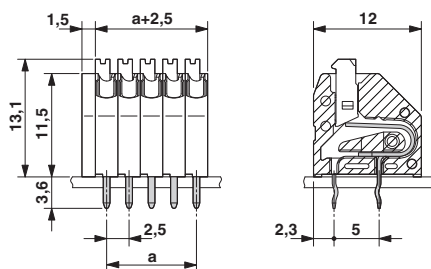
Diagram



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

Dimensioned drawing



The illustration shows the 5-pos. version