

## PCB terminal block - PTSM 0,5/ 5-2,5-V THR R44 - 1770982

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://phoenixcontact.com/download>)



PCB terminal block, nominal current: 6 A, pitch: 2.5 mm, number of positions: 5, connection method: Push-in spring connection, mounting: THR soldering, conductor/PCB connection direction: 90 °, color: black


The figure shows a 3-position version

### Your advantages

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ High current carrying capacity of 6 A in very compact dimensions
- ✓ Designed for integration into the SMT soldering process
- ✓ Vertical connection enables multi-row arrangement on the PCB



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	310 pc
GTIN	 4 046356 459563
GTIN	4046356459563
Weight per Piece (excluding packing)	2.903 g
Custom tariff number	85369010
Country of origin	India

### Technical data

#### Dimensions

Length [ l ]	5 mm
Pitch	2.5 mm
Dimension a	10 mm

## PCB terminal block - PTSM 0,5/ 5-2,5-V THR R44 - 1770982

### Technical data

#### Dimensions

Width [ w ]	13 mm
Height	10 mm
Height [ h ]	12.1 mm
Solder pin [P]	2.1 mm
Pin spacing	2.5 mm
Hole diameter	1.2 mm

#### General

Range of articles	PTSM 0,5/..-V-THR
Insulating material group	IIIa
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)	63 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	200 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	6 A
Nominal cross section	0.5 mm <sup>2</sup>
Maximum load current	6 A
Insulating material	LCP
Flammability rating according to UL 94	V0
Stripping length	6 mm
Number of positions	5

#### 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 flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.5 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.	0.34 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	20

#### Standards and Regulations

Connection in acc. with standard	EN-VDE
----------------------------------	--------

# PCB terminal block - PTSM 0,5/ 5-2,5-V THR R44 - 1770982

## Technical data

### Standards and Regulations

	UL
Flammability rating according to UL 94	V0

### Environmental Product Compliance

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

## Classifications

### eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27261100
eCl@ss 6.0	27261100
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	EC002637
ETIM 6.0	EC002643
ETIM 7.0	EC002643

### UNSPSC

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

## Approvals

### Approvals

---

# PCB terminal block - PTSM 0,5/ 5-2,5-V THR R44 - 1770982


## Approvals


### Approvals


UL Recognized / VDE Zeichengenehmigung / EAC / cULus Recognized


### Ex Approvals

### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E118976-20130619
		B	
Nominal voltage UN	150 V		
Nominal current IN	5 A		
mm <sup>2</sup> /AWG/kcmil	26-18		

VDE Zeichengenehmigung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40048725
------------------------	---	---	----------

EAC			B.01742
-----	---	--	---------

cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-20030527
		B	
Nominal voltage UN	150 V		
Nominal current IN	5 A		
mm <sup>2</sup> /AWG/kcmil	26-20		

## Accessories

### Accessories

Cable end sleeve

## PCB terminal block - PTSM 0,5/ 5-2,5-V THR R44 - 1770982

### Accessories

Ferrule - AI 0,25- 6 BU - 3203040



Ferrule, sleeve length: 6 mm, length: 10.5 mm, color: blue

---

Ferrule - AI 0,25- 6 YE - 3203024



Ferrule, sleeve length: 6 mm, length: 10.5 mm, color: yellow

---

Ferrule - AI 0,34- 6 TQ - 3203053



Ferrule, sleeve length: 6 mm, length: 10.5 mm, color: turquoise

---

### Screwdriver tools

Screwdriver - SZS 0,4X2,0 - 1205202



Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

---

### Additional products

Sample set - SAMPLE PTSM 0,5/ 5-2,5-V-THR - 1701103



PCB terminal block, nominal current: 6 A, pitch: 2.5 mm, number of positions: 5, connection method: Push-in spring connection, mounting: THR soldering, conductor/PCB connection direction: 90 °, color: black. SAMPLE set with 5 items in belt section. When used as part of soldering process, please use items without SAMPLE marking

## PCB terminal block - PTSM 0,5/ 5-2,5-V THR R44 - 1770982

### Accessories

---

---

Phoenix Contact 2019 © - all rights reserved  
<http://www.phoenixcontact.com>