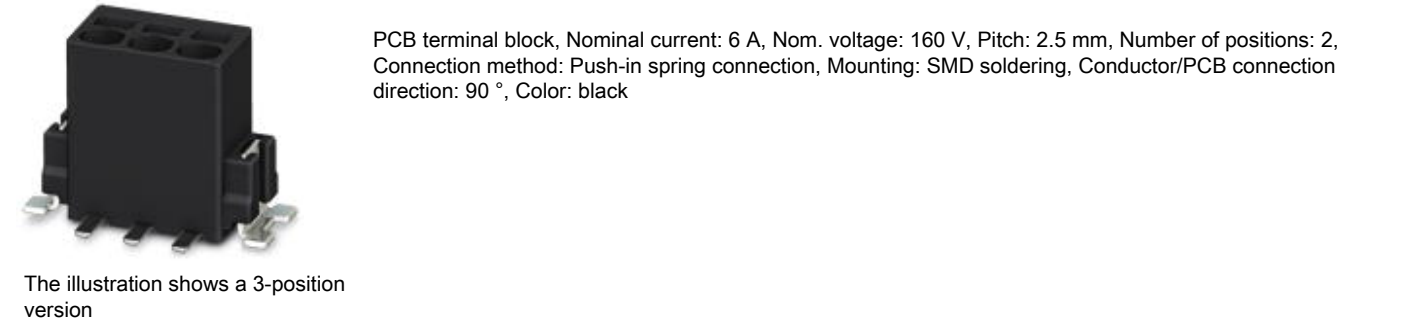


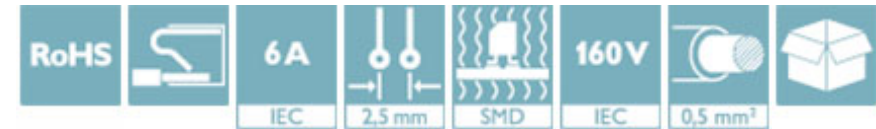
PCB terminal block - PTSM 0,5/ 2-2,5-V SMD R44 - 1771091

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Why buy this product

- ✓ 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
- ✓ Additional solder anchors reduce the mechanical strain on the soldering spots



Key Commercial Data

Packing unit	400 STK
Minimum order quantity	400 STK
GTIN	 4 046356 460125
GTIN	4046356460125
Custom tariff number	8536909000
Sales Key	AACBBA

Technical data

Dimensions

Length	5 mm
Pitch	2.5 mm
Dimension a	2.5 mm
Width	10.1 mm
Height	9 mm

General

<https://www.phoenixcontact.com/cn/products/1771091>

PCB terminal block - PTSM 0,5/ 2-2,5-V SMD R44 - 1771091

Technical data

General

Range of articles	PTSM 0,5/..-V-SMD
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)	32 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	160 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	6 A
Nominal cross section	0.5 mm ²
Maximum load current	6 A
Insulating material	LCP
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	6 mm
Number of positions	2

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 flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.5 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	20

Standards and Regulations

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

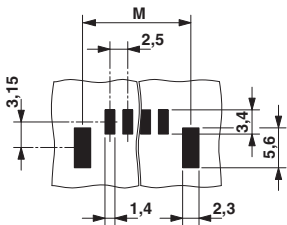
Environmental Product Compliance

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

Drawings

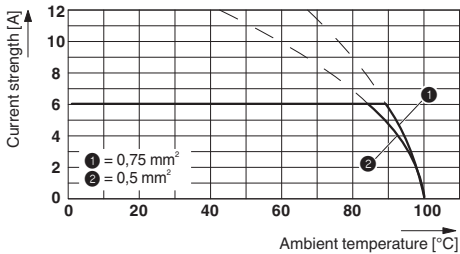
PCB terminal block - PTSM 0,5/ 2-2,5-V SMD R44 - 1771091

Drilling diagram

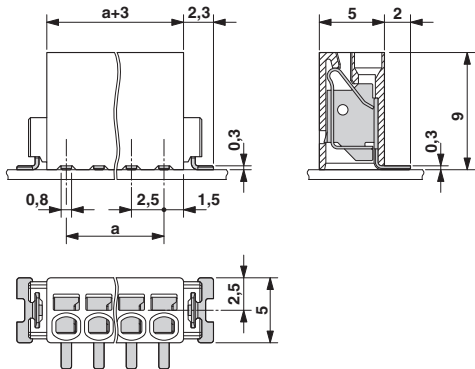


Dimension M: 8.4 mm

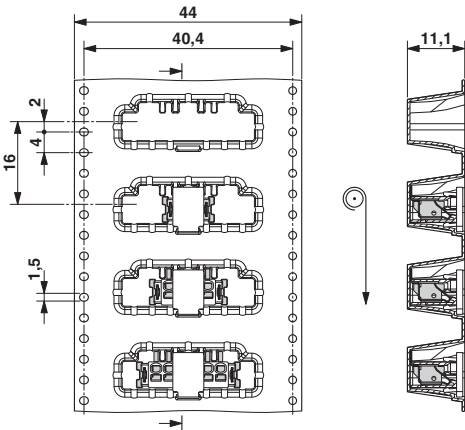
Diagram



Dimensional drawing



Dimensional drawing



Approvals

Approvals

Approvals

UL Recognized / UL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 60425

<https://www.phoenixcontact.com/cn/products/1771091>

PCB terminal block - PTSM 0,5/ 2-2,5-V SMD R44 - 1771091

Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
		B	
mm²/AWG/kcmil		26-18	
Nominal current I _N		5 A	
Nominal voltage U _N		150 V	

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20030527
		B	
mm²/AWG/kcmil		26-20	
Nominal current I _N		5 A	
Nominal voltage U _N		150 V	

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