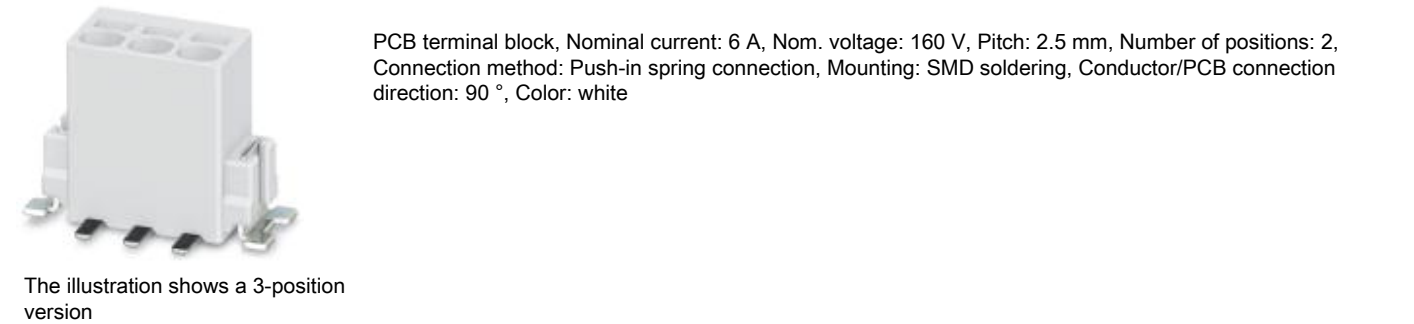


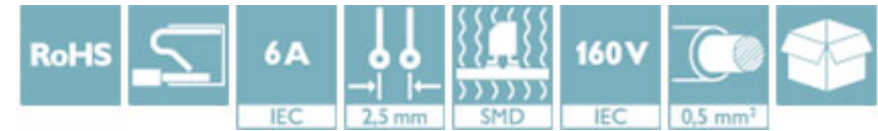
PCB terminal block - PTSM 0,5/ 2-2,5-V SMD WH R44 - 1814702

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Why buy this product

- ✓ White design: Stable color when welding and during use
- ✓ 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 760454
GTIN	4046356760454
Sales Key	AACBBA

Technical data

Dimensions

Length	5 mm
Pitch	2.5 mm
Dimension a	2.5 mm
Height	9 mm
Length of the solder pin	2 mm
Pin spacing	2.5 mm

<https://www.phoenixcontact.com/cn/products/1814702>

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Technical data

General

Range of articles	PTSM 0,5/..-V-SMD WH
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)	63 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	320 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	HT PA
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

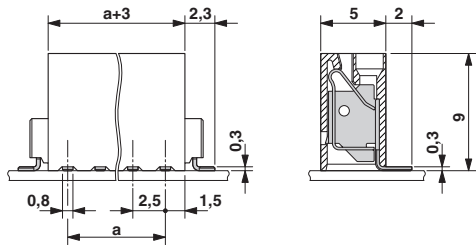
Environmental Product Compliance

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

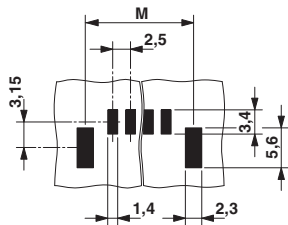
Drawings

PCB terminal block - PTSM 0,5/ 2-2,5-V SMD WH R44 - 1814702

Dimensional drawing

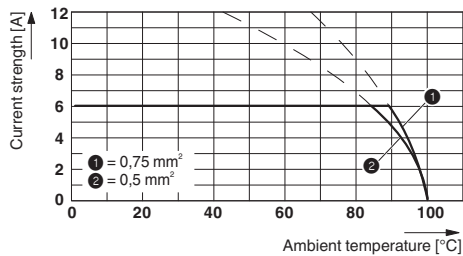


Drilling diagram



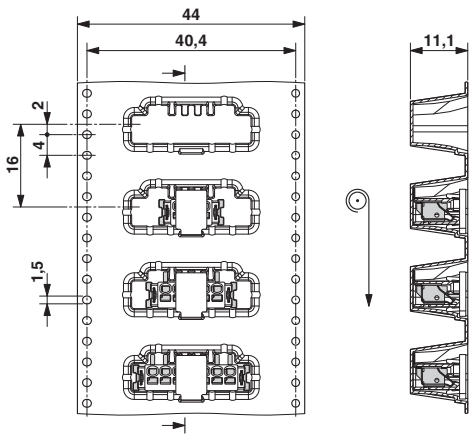
Dimension M: 8.4 mm

Diagram



Type: PTSM 0,5/...-2,5-V SMD WH R44
Tested in accordance with DIN EN 60512-5-2:2003-01
Reduction factor = 1
Number of positions: 5

Dimensional drawing



Approvals

Approvals

Approvals

UL Recognized / 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
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<https://www.phoenixcontact.com/cn/products/1814702>

PCB terminal block - PTSM 0,5/ 2-2,5-V SMD WH R44 - 1814702

Approvals

UL Recognized

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

FILE E 60425

UL Recognized

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

FILE E 118976

	B
mm ² /AWG/kcmil	26-18
Nominal current I _N	5 A
Nominal voltage U _N	150 V

EAC



B.01742

cULus Recognized

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

E60425-20030527

	B
mm ² /AWG/kcmil	26-20
Nominal current I _N	5 A
Nominal voltage U _N	150 V