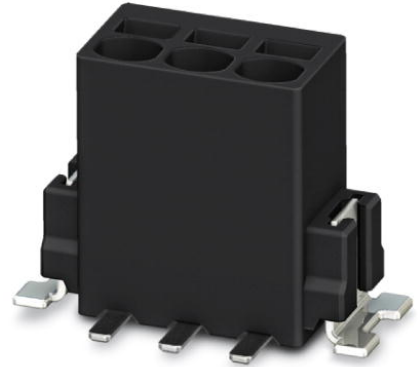


**PTSM 0,5/ 6-2,5-V SMD R44**

Order No.: 1771130



PC terminal block, Nominal current: 6 A, Nom. voltage: 32 V, Pitch: 2.5 mm, Number of positions: 6, Type of connection: Spring-cage conn., Mounting: SMD/THT/THR, Conductor/PCB connection direction: 90 °, Color: black

**Commercial data**

EAN	4046356460163
Pack	400
Weight/Piece	2.63 g
Country of Origin	DE
Catalog page information	Page 465 (CC-2009)

**Product notes**

WEEE/RoHS-compliant since:  
26/04/2010



Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

**Technical data****Dimensions / positions**

Length	5 mm
Pitch	2.5 mm
Dimension a	12.5 mm
Number of positions	6

Pin spacing	2.5 mm
<b>Technical data</b>	
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/2)	160 V
Rated voltage (II/2)	160 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	6 A
Nominal voltage $U_N$	32 V
Nominal cross section	0.5 mm <sup>2</sup>
Maximum load current	6 A
Insulating material	LCP
Inflammability class acc. to UL 94	V0
Stripping length	6 mm
Nominal voltage, UL/CUL Use Group B	150 V
Nominal current, UL/CUL Use Group B	5 A

<b>Connection data</b>	
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 stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	0.5 mm <sup>2</sup>
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

## Certificates



Certification

CUL, UL

### CUL

Nominal voltage $U_N$	150 V
Nominal current $I_N$	5 A
AWG/kcmil	26-20

### UL

Nominal voltage $U_N$	150 V
Nominal current $I_N$	5 A
AWG/kcmil	26-20

## Accessories

Item	Designation	Description
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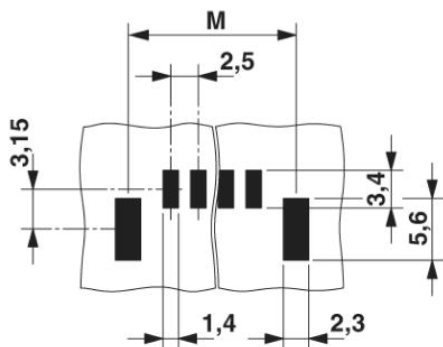
### Tools

1205202	SZS 0,4X2,0	Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap
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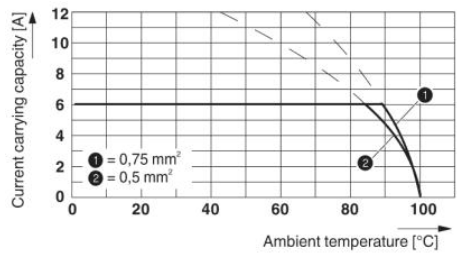
## Drawings

Drilling plan/solder pad geometry

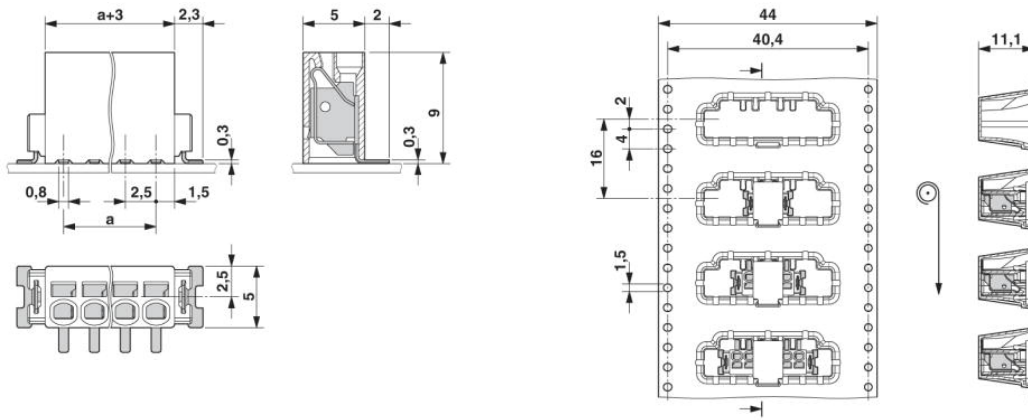
Dimension M: 18.4 mm



## Diagram



## Dimensioned drawing



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