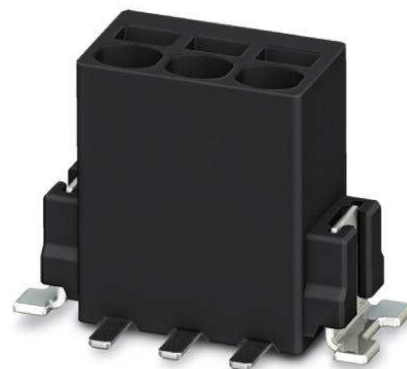


## PTSM 0,5/ 2-2,5-V SMD R44

Order No.: 1771091

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1771091>

PC terminal block, Nominal current: 6 A, Nom. voltage: 32 V, Pitch: 2.5 mm, Number of positions: 2, Type of connection: Spring-cage conn., Assembly: SMD/THT/THR, Conductor/PCB connection direction: 90 °, Color: black

Commercial data	
EAN	4046356460125
Pack	400 pcs.
Customs tariff	85369010
Weight/Piece	0.002051 KG
Catalog page information	Page 465 (CC-2009)

### Product notes

WEEE/RoHS-compliant since:  
10/20/2009



<http://www.download.phoenixcontact.com>  
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. The General Terms and Conditions of Use apply to Internet downloads.

### Technical data

#### Dimensions / positions

Length	5 mm
Pitch	2.5 mm
Dimension a	2.5 mm

Number of positions	2
Pin spacing	2.5 mm

**Technical data**

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

**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 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

**Certificates / Approvals**

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

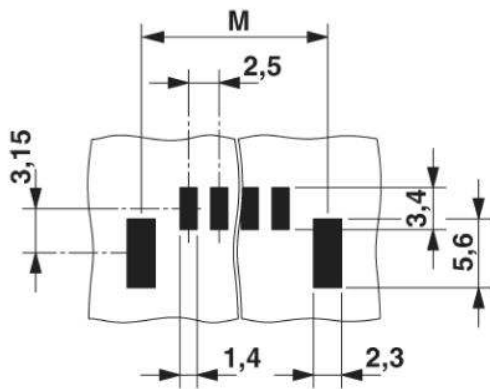
**Accessories**

Item	Designation	Description
1205202	SZS 0,4X2,0	Screwdriver, bladed, matches all screw terminal blocks up to 1.5 mm <sup>2</sup> connection cross section, blade width: 2.5 mm, without approvals

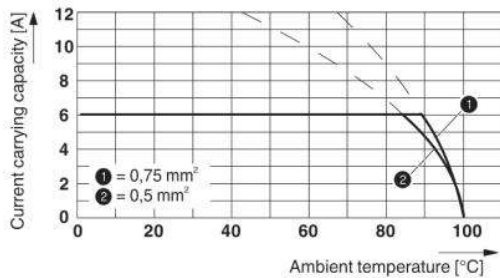
**Diagrams/Drawings**

Drilling plan/solder pad geometry

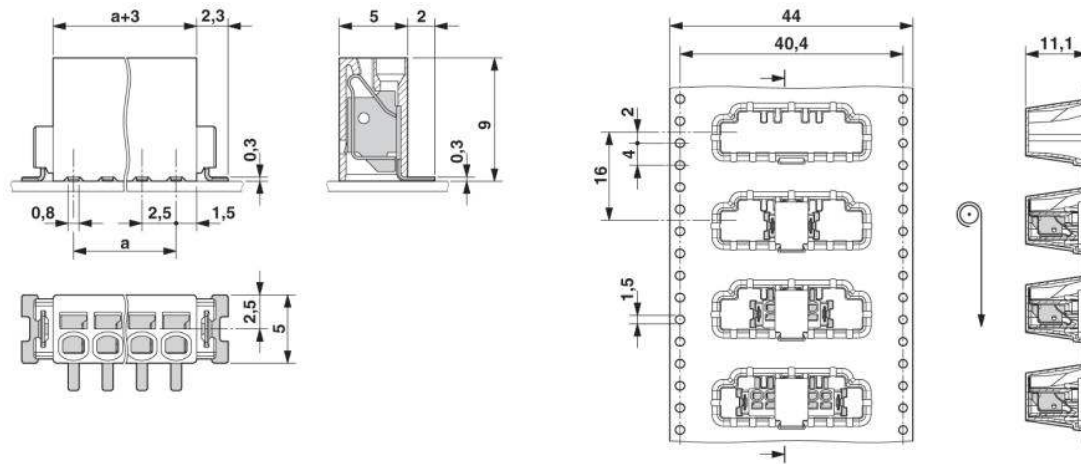
Dimension M: 8.4 mm



Diagram



Dimensioned drawing



**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



© 2010 Phoenix Contact  
Technical modifications reserved;