

## PTSM 0,5/ 8-2,5-H SMD R44

Order No.: 1771088

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1771088>

PC terminal block, Nominal current: 6 A, Nom. voltage: 32 V, Pitch: 2.5 mm, Number of positions: 8, Type of connection: Spring-cage conn., Assembly: SMD/THT/THR, Conductor/PCB connection direction: 0 °, Color: black

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4046356459730      |
| Pack                     | 770 pcs.           |
| Customs tariff           | 85369010           |
| Weight/Piece             | 0.00243 KG         |
| Catalog page information | Page 465 (CC-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              | 9 mm    |
| Pitch               | 2.5 mm  |
| Dimension a         | 17.5 mm |
| Number of positions | 8       |
| 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 |

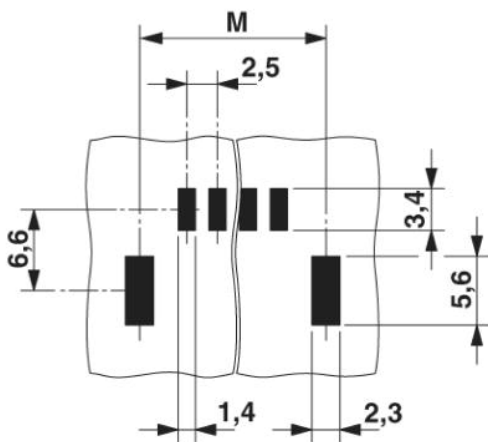
**Accessories**

| Item         | Designation | Description   |
|--------------|-------------|---|
| <b>Tools</b> |             |   |
| 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 |

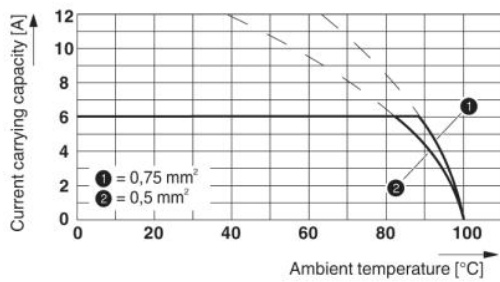
**Diagrams/Drawings**

Drilling plan/solder pad geometry

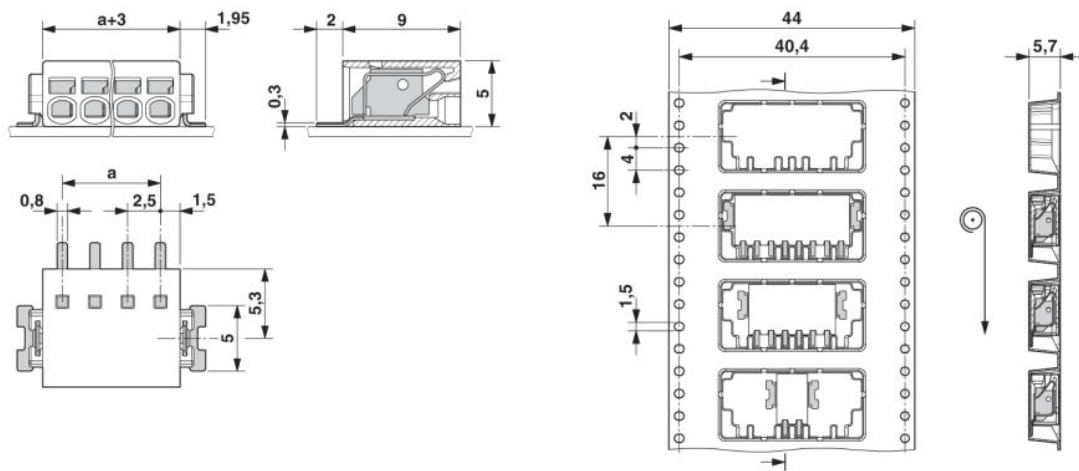
Dimension M: 22.7 mm



Diagram



Dimensioned drawing



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