

**PTSM 0,5/ 3-2,5-V THR R44**

Order No.: 1770966

<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1770966>

PC terminal block, Nominal current: 6 A, Nom. voltage: 63 V, Pitch: 2.5 mm, Number of positions: 3, Type of connection: Spring-cage conn., Assembly: SMD/THT/THR, Conductor/PCB connection direction: 90 °, Color: black

| Commercial data          |                    |
|--------------------------|--------------------|
| EAN                      | 4046356459549      |
| sales group              | E411               |
| Pack                     | 310 pcs.           |
| Customs tariff           | 85369010           |
| Weight/Piece             | 0.002472 KG        |
| Catalog page information | Page 463 (CC-2009) |

## Product notes

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



<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 | 5 mm   |

|                     |              |
|---------------------|--------------|
| Number of positions | 3            |
| Pin dimensions      | 0,3 X 0,8 mm |
| Pin spacing         | 2.5 mm       |
| Hole diameter       | 1.2 mm       |

**Technical data**

|                                     |                     |
|-------------------------------------|---------------------|
| Range of articles                   | PTSM 0,5/ -V-THR    |
| 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)               | 200 V               |
| Rated voltage (II/2)                | 200 V               |
| Connection in acc. with standard    | EN-VDE              |
| Nominal current $I_N$               | 6 A                 |
| Nominal voltage $U_N$               | 63 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                 |

**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                   |
| Minimum AWG according to UL/CUL  | 26                   |
| Maximum AWG according to UL/CUL  | 20                   |

**Certificates / Approvals**



Certification CUL, UL

**CUL**

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

**UL**

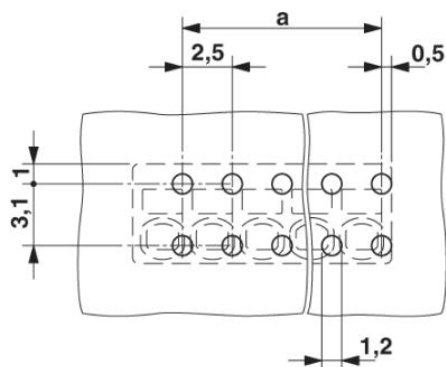
|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 150 V |
| Nominal current $I_N$ | 5 A   |
| AWG/kcmil             | 26-20 |

**Accessories**

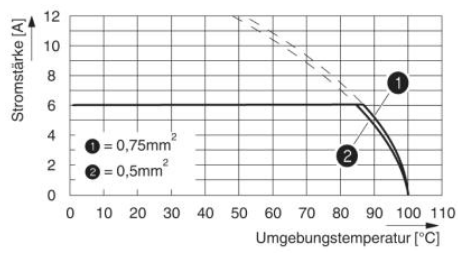
| Item         | Designation | Description  |
|--------------|-------------|--|
| <b>Tools</b> |             |  |
| 1205202      | SZS 0,4X2,0 | Mikro-Schraubendreher, Schlitz, Größe: 0,4x2,0x60 mm, 2-Komponentengriff, mit Abrollschutz und drehbarer Kappe |

**Diagrams/Drawings**

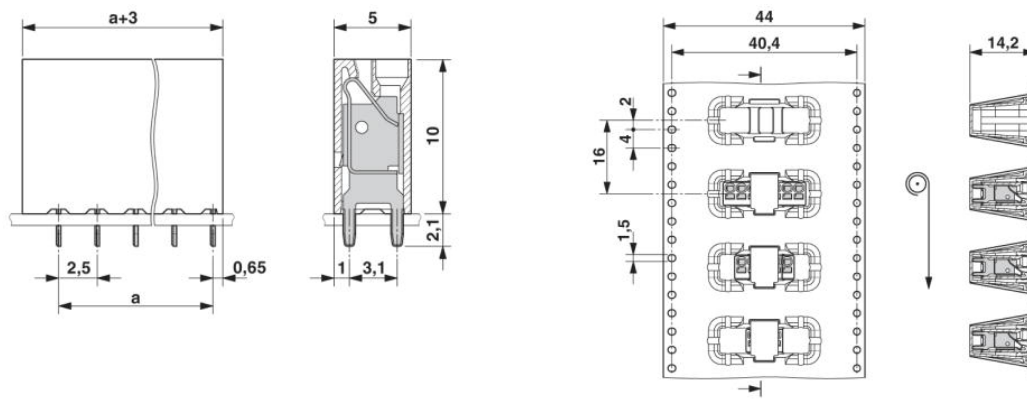
Drilling plan/solder pad geometry



Diagram



Dimensioned drawing



**Address**

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 00  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>



© 2010 Phoenix Contact  
Technical modifications reserved;