

PCB terminal block - PTSM 0,5/ 7-2,5-H SMD R44 - 1771075

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PCB terminal block, nominal current: 6 A, pitch: 2.5 mm, number of positions: 7, connection method: Push-in spring connection, mounting: SMD soldering, conductor/PCB connection direction: 0 °, color: black


The figure shows the 3-pos. version

Your advantages

- ✓ 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
- ✓ Additional solder anchors reduce the mechanical strain on the soldering spots



Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 770 pc |
| Minimum order quantity | 770 pc |
| GTIN |  4 046356 459723 |
| GTIN | 4046356459723 |

Technical data

Dimensions

| | |
|--------------|---------|
| Length [l] | 9 mm |
| Pitch | 2.5 mm |
| Dimension a | 15 mm |
| Width [w] | 20.1 mm |
| Height | 5.12 mm |
| Height [h] | 5.12 mm |

General

| | |
|---------------------------|-------------------|
| Range of articles | PTSM 0,5/..-H-SMD |
| Insulating material group | IIIa |

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Technical data

General

| | |
|--|---------------------|
| 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) | 32 V |
| 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 cross section | 0.5 mm ² |
| Maximum load current | 6 A |
| Insulating material | LCP |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 6 mm |
| Number of positions | 7 |

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 |

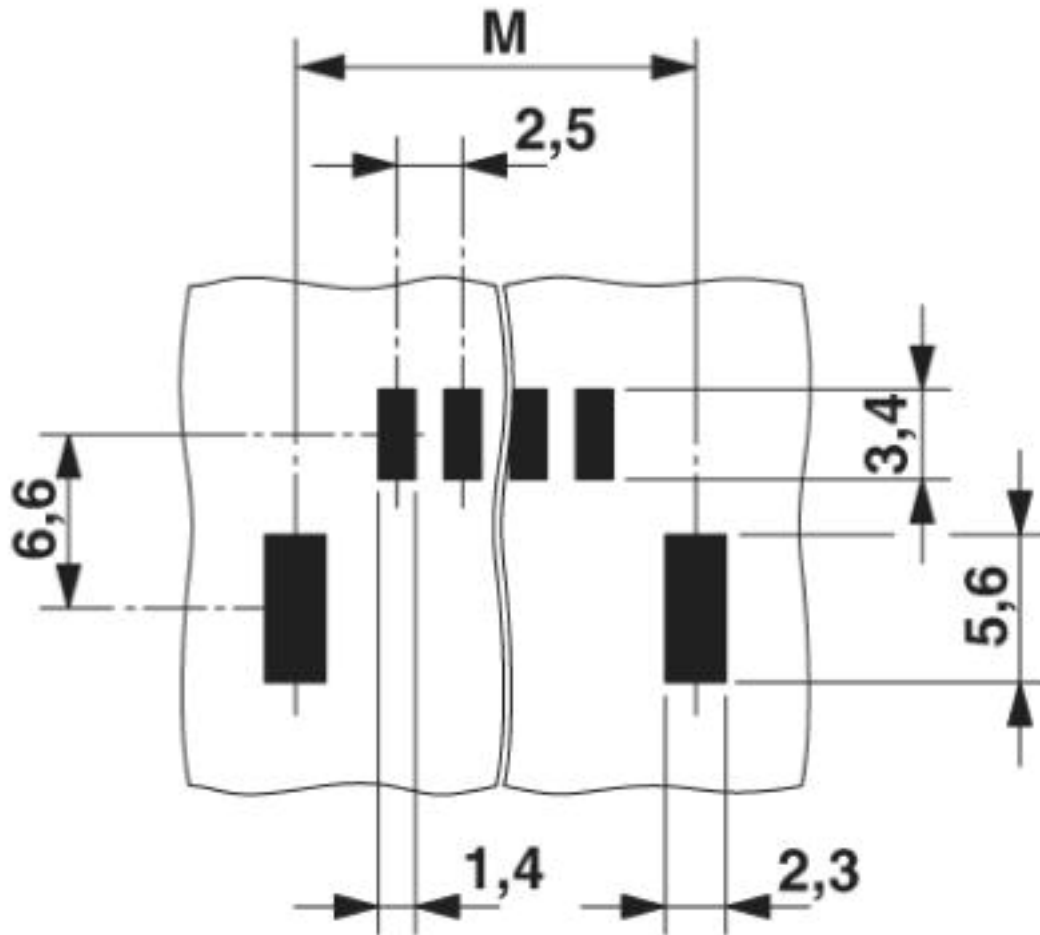
Environmental Product Compliance

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

Drawings

PCB terminal block - PTSM 0,5/ 7-2,5-H SMD R44 - 1771075

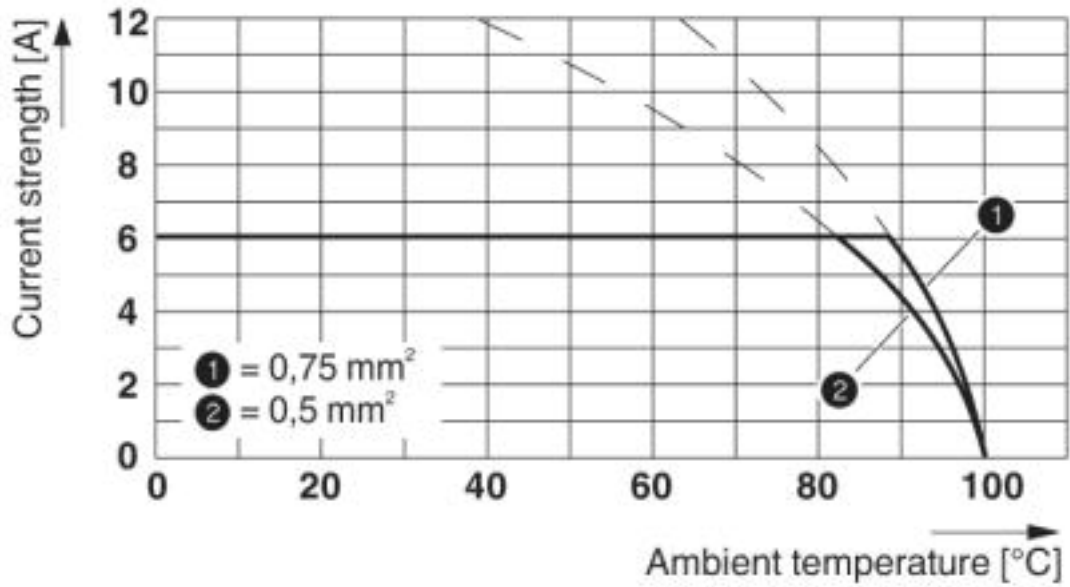
Drilling diagram



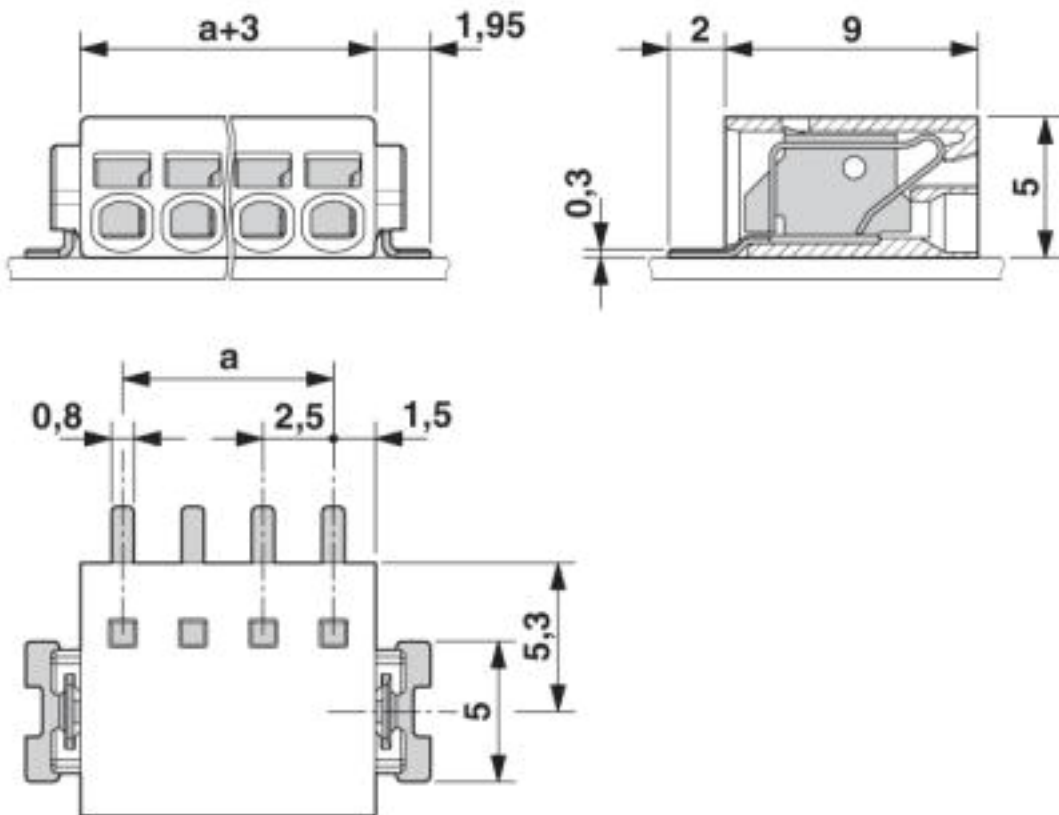
Dimension M: 20.2 mm

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Diagram

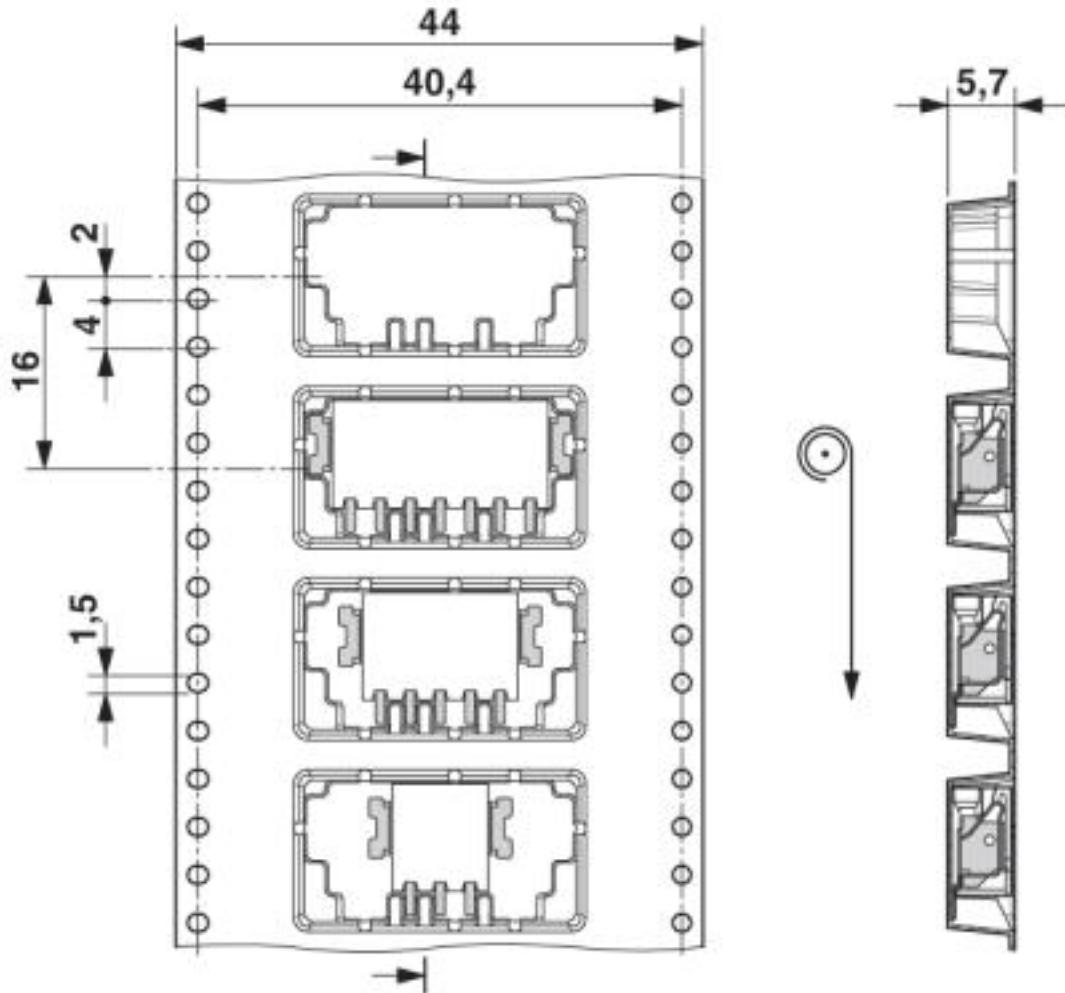


Dimensional drawing



PCB terminal block - PTSM 0,5/ 7-2,5-H SMD R44 - 1771075

Dimensional drawing



Approvals

Approvals

Approvals

UL Recognized / VDE Zeichengenehmigung / EAC / cULus Recognized

Ex Approvals

Approval details

PCB terminal block - PTSM 0,5/ 7-2,5-H SMD R44 - 1771075

Approvals

| | | |
|----------------------------|-------|--|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E118976-20130619 |
| | | B |
| Nominal voltage UN | 150 V | |
| Nominal current IN | 5 A | |
| mm ² /AWG/kcmil | 26-18 | |

| | | | |
|------------------------|--|---|----------|
| VDE Zeichengenehmigung | | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40048725 |
|------------------------|--|---|----------|

| | | |
|-----|--|---------|
| EAC | | B.01742 |
|-----|--|---------|

| | | |
|----------------------------|-------|---|
| cULus Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E60425-20030527 |
| | | B |
| Nominal voltage UN | 150 V | |
| Nominal current IN | 5 A | |
| mm ² /AWG/kcmil | 26-20 | |

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>