

PCB terminal block - PTSM 0,5/ 3-2,5-H THR R32 - 1770898

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PCB terminal block, nominal current: 6 A, nom. voltage: 160 V, pitch: 2.5 mm, number of positions: 3, connection method: Push-in spring connection, mounting: THR soldering, conductor/PCB connection direction: 0 °, color: black. User information and design recommendations for through hole reflow technology can be found under "Downloads"

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



Key Commercial Data

| | |
|------------------------|---------------|
| Packing unit | 530 pc |
| Minimum order quantity | 530 pc |
| GTIN | |
| GTIN | 4046356459471 |

Technical data

Dimensions

| | |
|----------------|--------|
| Length [l] | 10 mm |
| Pitch | 2.5 mm |
| Dimension a | 5 mm |
| Width [w] | 8 mm |
| Height | 5 mm |
| Height [h] | 7.1 mm |
| Solder pin [P] | 2.1 mm |
| Pin spacing | 5 mm |
| Hole diameter | 1.2 mm |

General

| | |
|-------------------|-------------------|
| Range of articles | PTSM 0,5/..-H-THR |
|-------------------|-------------------|

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Technical data

General

| | |
|--|---------------------|
| 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/3) | 63 V |
| Rated voltage (III/2) | 160 V |
| Rated voltage (II/2) | 200 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 | 3 |

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 flexible, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 0.34 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 |

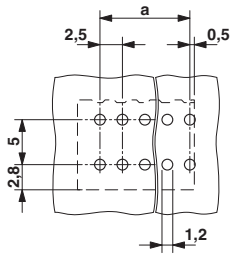
Environmental Product Compliance

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

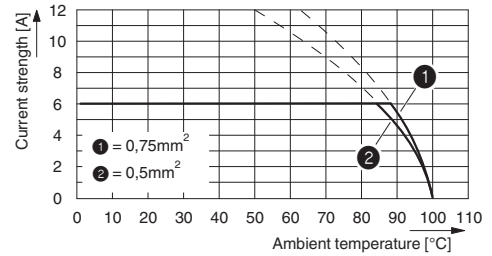
Drawings

PCB terminal block - PTSM 0,5/ 3-2,5-H THR R32 - 1770898

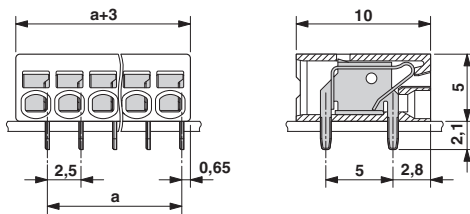
Drilling diagram



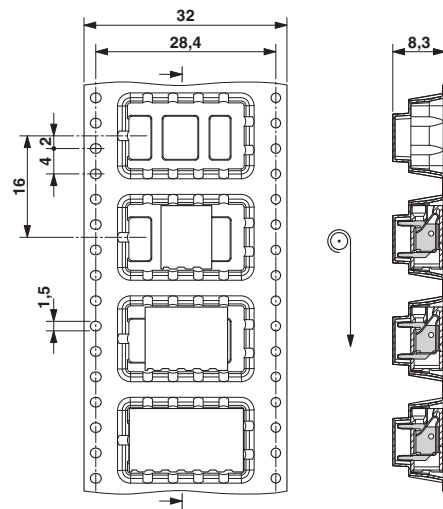
Diagram



Dimensional drawing



Dimensional drawing



Approvals

Approvals

Approvals

UL Recognized / VDE Zeichengenehmigung / EAC / cULus Recognized

Ex Approvals


Approval details


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


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Approvals

| | |
|----------------------------|-------|
| | B |
| 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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