

<https://www.phoenixcontact.com/cn/products/1770995>



PCB terminal block - PTSM 0,5/ 6-2,5-V THR R44 - 1770995

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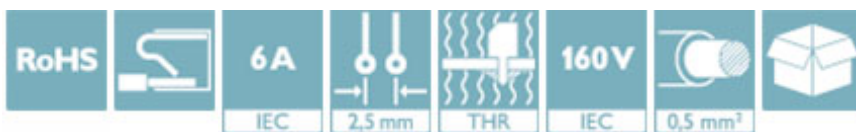


PCB terminal block, Nominal current: 6 A, Nom. voltage: 160 V, Pitch: 2.5 mm, Number of positions: 6, Connection method: Push-in spring connection, Mounting: THR soldering, Conductor/PCB connection direction: 90 °, Color: black


The illustration shows a 3-position version

Why buy this product

- ✓ 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
- ✓ Vertical connection enables multi-row arrangement on the PCB



Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 310 STK |
| Minimum order quantity | 310 STK |
| GTIN |  4 046356 459570 |
| GTIN | 4046356459570 |
| Custom tariff number | 8536909000 |
| Sales Key | AACBBA |

Technical data

Dimensions

| | |
|--------------------------|---------|
| Length | 5 mm |
| Pitch | 2.5 mm |
| Dimension a | 12.5 mm |
| Width | 15.5 mm |
| Constructional height | 10 mm |
| Height | 12.1 mm |
| Length of the solder pin | 2.1 mm |

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Technical data

Dimensions

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

General

| | |
|--|---------------------|
| 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/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 |
| Solder pin surface | Sn |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 6 mm |
| Number of positions | 6 |

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

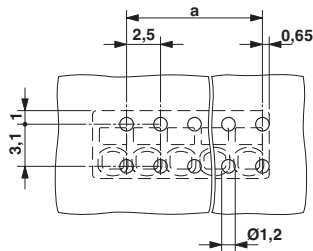
| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

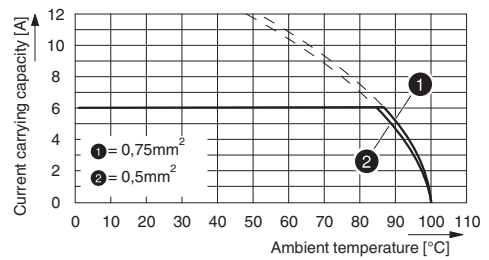


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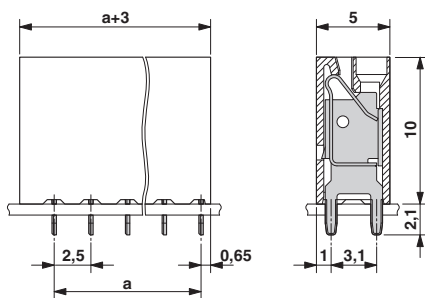
Drilling diagram



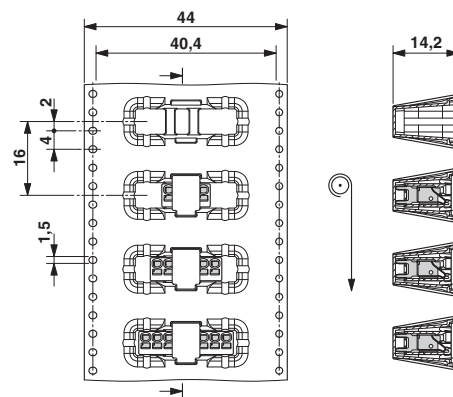
Diagram



Dimensional drawing



Dimensional drawing



Approvals

Approvals

Approvals

UL Recognized / UL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

| | | | |
|---------------|--|---|---------------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 118976 |
| | | B | |
| mm²/AWG/kcmil | | 26-18 | |

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Approvals

| | |
|--------------------------------|-------|
| | B |
| Nominal current I _N | 5 A |
| Nominal voltage U _N | 150 V |

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

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

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