

PCB terminal block - PTSM 0,5/ 4-2,5-V THR R44 - 1770979

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PCB terminal block, Nominal current: 6 A, Nom. voltage: 200 V, Pitch: 2.5 mm, Number of positions: 4, Connection method: Spring-cage conn., Mounting: SMD/THT/THR, Conductor/PCB connection direction: 90 °, Color: black

Product Features

- ✓ Compact low-profile THR PCB terminal block with 2.5 mm pitch
- ✓ High current carrying capacity for high power transmission
- ✓ Supplied in tape-on-reel packing according to IEC 60286-3 for automated mounting
- ✓ Spring-cage connection with direct plug-in technology with a release mechanism
- ✓ Specifically designed for use in reflow/soldering processes
- ✓ Double solder pins for stable hold on the PCB

Key commercial data

| | |
|------------------------|---|
| Packing unit | 1 PCE |
| Minimum order quantity | 310 PCE |
| GTIN |  4 046356 459556 |
| Custom tariff number | 85369010 |
| Country of origin | INDIA |

Technical data

Dimensions

| | |
|----------------|--------------|
| Length | 5 mm |
| Pitch | 2.5 mm |
| Dimension a | 7.5 mm |
| 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 |
|-------------------|-------------------|

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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) | 200 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 |
| Oberfläche Lötpin | Sn |
| Inflammability class according 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 |
| Number of positions | 4 |

Connection data

| | |
|--|----------------------|
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 0.5 mm ² |
| Conductor cross section stranded min. | 0.2 mm ² |
| Conductor cross section stranded max. | 0.5 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 0.5 mm ² |
| 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 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 6.0 | 27261101 |
| eCl@ss 7.0 | 27440401 |

ETIM

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| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002637 |

UNSPSC

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|---------------|----------|
| UNSPSC 6.01 | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11 | 39121432 |
| UNSPSC 12.01 | 39121432 |
| UNSPSC 13.2 | 39121432 |