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# PCB terminal block - SPT-THR 1,5/11-V-3,81 P20 R72 - 1823395

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The illustration shows the 10-position version

PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 11, Connection method: Push-in spring connection, Mounting: THR soldering, Conductor/PCB connection direction: 90 °, Color: black, Sample values available under SAMPLE SPT...



## Key Commercial Data

|                        |                     |
|------------------------|---------------------|
| Packing unit           | 200 STK             |
| Minimum order quantity | 200 STK             |
| GTIN                   | <br>4 046356 815215 |

## Technical data

### Dimensions

|                          |              |
|--------------------------|--------------|
| Length                   | 7.7 mm       |
| Pitch                    | 3.81 mm      |
| Dimension a              | 38.1 mm      |
| Width                    | 42.1 mm      |
| Height                   | 13.6 mm      |
| Length of the solder pin | 2 mm         |
| Pin dimensions           | 0,7 x 0,3 mm |
| Pin spacing              | 5.5 mm       |
| Hole diameter            | 1.1 mm       |

### General

|                             |                  |
|-----------------------------|------------------|
| Range of articles           | SPT 1,5/..-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)       | 160 V            |

# PCB terminal block - SPT-THR 1,5/11-V-3,81 P20 R72 - 1823395

## Technical data

### General

|  |                     |
|--|---------------------|
| Rated voltage (III/2)                  | 160 V               |
| Rated voltage (II/2)                   | 320 V               |
| Connection in acc. with standard       | EN-VDE              |
| Nominal current I <sub>N</sub>         | 13.5 A              |
| Nominal cross section                  | 1.5 mm <sup>2</sup> |
| Insulating material                    | LCP                 |
| Solder pin surface                     | Sn                  |
| Flammability rating according to UL 94 | V0                  |
| Stripping length                       | 8 mm                |
| Number of positions                    | 11                  |

### Connection data

|  |                      |
|--|----------------------|
| Conductor cross section solid min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.   | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                      | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 0.75 mm <sup>2</sup> |
| Conductor cross section AWG min.   | 24                   |
| Conductor cross section AWG max.   | 16                   |

### Standards and Regulations

|  |        |
|--|--------|
| Connection in acc. with standard       | EN-VDE |
| Flammability rating according to UL 94 | V0     |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141111 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27261101 |
| eCl@ss 7.0 | 27440401 |
| eCl@ss 8.0 | 27440401 |
| eCl@ss 9.0 | 27440401 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |

# PCB terminal block - SPT-THR 1,5/11-V-3,81 P20 R72 - 1823395

## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC002643 |
|----------|----------|

### UNSPSC

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

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

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#### Ex Approvals


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#### Approvals submitted

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### Approval details

|   |       |       |
|---|-------|-------|
| UL Recognized  |       |       |
|   | B     | D     |
| mm <sup>2</sup> /AWG/kcmil  | 24-16 | 24-16 |
| Nominal current IN  | 10 A  | 10 A  |
| Nominal voltage UN  | 300 V | 300 V |

|  |       |       |
|--|-------|-------|
| cUL Recognized  |       |       |
|  | B     | D     |
| mm <sup>2</sup> /AWG/kcmil   | 24-16 | 24-16 |
| Nominal current IN   | 10 A  | 10 A  |
| Nominal voltage UN   | 300 V | 300 V |

|     |
|-----|
| EAC |
|-----|

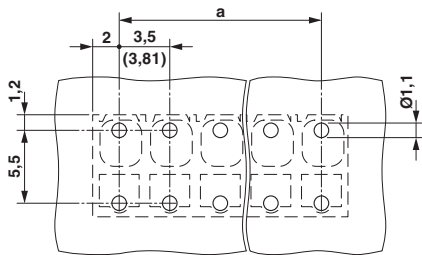
# PCB terminal block - SPT-THR 1,5/11-V-3,81 P20 R72 - 1823395

## Approvals

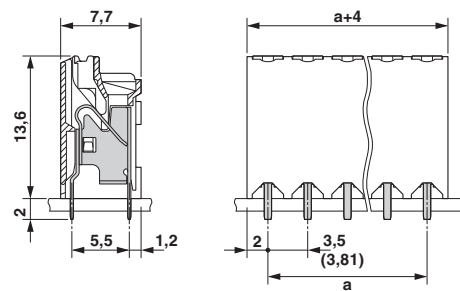
cULus Recognized US

## Drawings

Drilling diagram



Dimensional drawing



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