

https://www.phoenixcontact.com/cn/products/1719192



## PCB terminal block - SPT 5/ 2-H-7,5-ZB - 1719192

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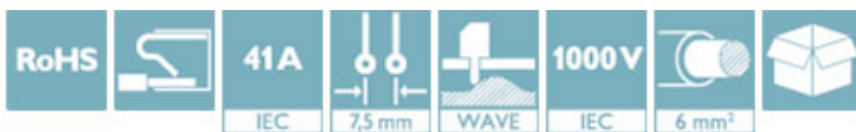


PCB terminal block, Nominal current: 41 A, Nom. voltage: 1000 V, Pitch: 7.5 mm, Number of positions: 2, Connection method: Push-in spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 0°, Color: green


The figure shows a 5-pos. version of the product

### Why buy this product

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- ✓ Unrestricted 600-V-UL approval thanks to compact zig-zag pinning
- ✓ Operation and conductor connection from one direction enable integration into front of device



### Key Commercial Data

|                        |   |
|------------------------|---|
| Packing unit           | 50 STK  |
| Minimum order quantity | 50 STK  |
| GTIN                   | <br>4 046356 141291 |
| GTIN                   | 4046356141291   |
| Custom tariff number   | 8536909000  |
| Sales Key              | AABCAA  |

### Technical data

#### Dimensions

|                          |          |
|--------------------------|----------|
| Length                   | 24.15 mm |
| Pitch                    | 7.5 mm   |
| Dimension a              | 7.5 mm   |
| Width                    | 16.8 mm  |
| Constructional height    | 14.4 mm  |
| Height                   | 19 mm    |
| Length of the solder pin | 4.6 mm   |

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### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Pin dimensions | 1,7 x 0,8 mm |
| Pin spacing    | 13.2 mm      |
| Hole diameter  | 2.1 mm       |

#### General

|  |                   |
|--|-------------------|
| Range of articles                      | SPT 5/..-H        |
| Insulating material group              | I                 |
| Rated surge voltage (III/3)            | 8 kV              |
| Rated surge voltage (III/2)            | 8 kV              |
| Rated surge voltage (II/2)             | 6 kV              |
| Rated voltage (III/3)                  | 800 V             |
| Rated voltage (III/2)                  | 1000 V            |
| Rated voltage (II/2)                   | 1000 V            |
| Connection in acc. with standard       | EN-VDE            |
| Nominal current $I_N$                  | 41 A              |
| Nominal cross section                  | 6 mm <sup>2</sup> |
| Insulating material                    | PA                |
| Solder pin surface                     | Sn                |
| Flammability rating according to UL 94 | V0                |
| Stripping length                       | 15 mm             |
| Number of positions                    | 2                 |

#### Connection data

|   |                      |
|---|----------------------|
| Conductor cross section solid min.  | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.  | 10 mm <sup>2</sup>   |
| Conductor cross section flexible min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.   | 6 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 6 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 4 mm <sup>2</sup>    |
| Conductor cross section AWG min.  | 24                   |
| Conductor cross section AWG max.  | 8                    |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm <sup>2</sup>  |

#### Standards and Regulations

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

#### Environmental Product Compliance

# PCB terminal block - SPT 5/ 2-H-7,5-ZB - 1719192

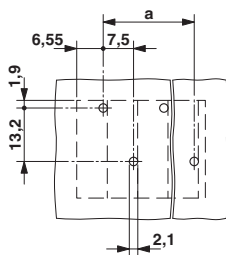
## Technical data

### Environmental Product Compliance

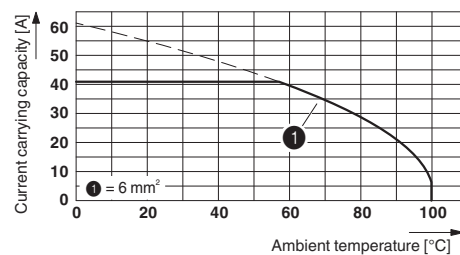
|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

Drilling diagram

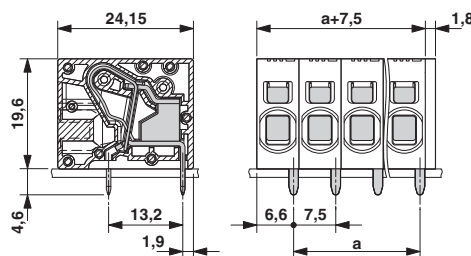


Diagram



Type: SPT 5/...-H-7,5-ZB  
 Test following DIN EN 60512-5-2:2003-01  
 Reduction factor = 1  
 No. of positions: 5

Dimensional drawing



## Approvals

### Approvals

Approvals

UL Recognized / SEV / cUL Recognized / CCA / IECCE CB Scheme / EAC / cULus Recognized

Ex Approvals


### Approval details


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### Approvals

|                            |   |   |              |
|----------------------------|---|---|--------------|
| UL Recognized              |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                            | B   | C   |              |
| mm <sup>2</sup> /AWG/kcmil | 24-8  | 24-8  |              |
| Nominal current IN         | 36 A  | 36 A  |              |
| Nominal voltage UN         | 600 V   | 600 V   |              |

|                            |   |   |         |
|----------------------------|---|---|---------|
| SEV                        |  | <a href="https://www.electrosuisse.ch/en/meta/shop/product-certificates.html">https://www.electrosuisse.ch/en/meta/shop/product-certificates.html</a> | IK-3150 |
|                            |   |   |         |
| mm <sup>2</sup> /AWG/kcmil | 6   |   |         |
| Nominal current IN         | 41 A  |   |         |
| Nominal voltage UN         | 1000 V  |   |         |

|                            |   |   |              |
|----------------------------|---|---|--------------|
| cUL Recognized             |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                            | B   | C   |              |
| mm <sup>2</sup> /AWG/kcmil | 24-8  | 24-8  |              |
| Nominal current IN         | 36 A  | 36 A  |              |
| Nominal voltage UN         | 600 V   | 600 V   |              |

|                            |        |         |
|----------------------------|--------|---------|
| CCA                        |        | IK-2956 |
|                            |        |         |
| mm <sup>2</sup> /AWG/kcmil | 6      |         |
| Nominal current IN         | 41 A   |         |
| Nominal voltage UN         | 1000 V |         |

|                            |   |   |         |
|----------------------------|---|---|---------|
| IECEE CB Scheme            |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | CH-7429 |
|                            |   |   |         |
| mm <sup>2</sup> /AWG/kcmil | 6   |   |         |
| Nominal current IN         | 41 A  |   |         |
| Nominal voltage UN         | 1000 V  |   |         |

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

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### Approvals

cULus Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

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