

PCB terminal block - SMKDSP 1,5/ 2 - 1733415

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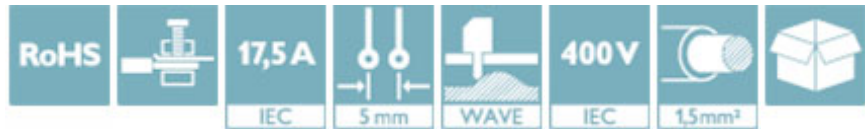
PCB terminal block, Nominal current: 17.5 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 55 °, Color: green, The article can be aligned to create different nos. of positions!



The figure shows a 10-position version of the product

Why buy this product

- ✔ Well-known connection principle allows worldwide use
- ✔ Low temperature rise, thanks to maximum contact force
- ✔ Allows connection of two conductors
- ✔ Angled connection enables multi-row arrangement on the PCB
- ✔ Quick and convenient testing using integrated test option
- ✔ The latching on the side enables various numbers of positions to be combined



Key Commercial Data

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit         | 250 STK                                                                                                 |
| GTIN                 | <br>4 017918 026554 |
| GTIN                 | 4017918026554                                                                                           |
| Custom tariff number | 8536901900                                                                                              |
| Sales Key            | AAABEA                                                                                                  |

Technical data

Dimensions

|                          |         |
|--------------------------|---------|
| Length                   | 13.4 mm |
| Pitch                    | 5 mm    |
| Dimension a              | 5 mm    |
| Width                    | 10 mm   |
| Constructional height    | 15.3 mm |
| Height                   | 18.8 mm |
| Length of the solder pin | 3.5 mm  |

<https://www.phoenixcontact.com/cn/products/1733415>

## PCB terminal block - SMKDSP 1,5/ 2 - 1733415

### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Pin dimensions | 0,9 x 0,9 mm |
| Hole diameter  | 1.3 mm       |

#### General

|                                        |                     |
|----------------------------------------|---------------------|
| Range of articles                      | SMKDSP 1,5          |
| Insulating material group              | I                   |
| Rated surge voltage (III/3)            | 4 kV                |
| Rated surge voltage (III/2)            | 4 kV                |
| Rated surge voltage (II/2)             | 4 kV                |
| Rated voltage (III/3)                  | 250 V               |
| Rated voltage (III/2)                  | 400 V               |
| Rated voltage (II/2)                   | 630 V               |
| Connection in acc. with standard       | EN-VDE              |
| Nominal current $I_N$                  | 17.5 A              |
| Nominal cross section                  | 1.5 mm <sup>2</sup> |
| Maximum load current                   | 22 A                |
| Insulating material                    | PA                  |
| Solder pin surface                     | Sn                  |
| Flammability rating according to UL 94 | V0                  |
| Internal cylindrical gage              | A1                  |
| Stripping length                       | 7 mm                |
| Number of positions                    | 2                   |
| Screw thread                           | M3                  |
| Tightening torque, min                 | 0.5 Nm              |
| Tightening torque max                  | 0.6 Nm              |

#### Connection data

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                         | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.                                         | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                      | 0.14 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. | 0.25 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.    | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.                                           | 26                   |
| Conductor cross section AWG max.                                           | 14                   |
| 2 conductors with same cross section, solid min.                           | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                           | 1 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded min.                        | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                        | 0.75 mm <sup>2</sup> |

# PCB terminal block - SMKDSP 1,5/ 2 - 1733415

## Technical data

### Connection data

|                                                                                         |          |
|-----------------------------------------------------------------------------------------|----------|
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 0.5 mm²  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm²  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm²    |

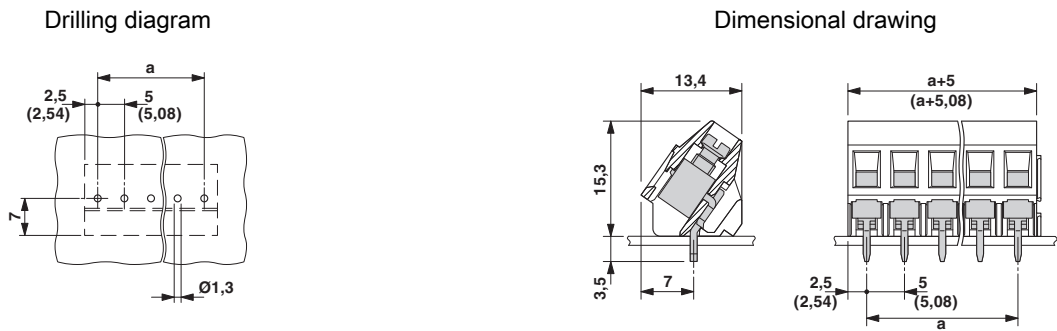
### Standards and Regulations

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

### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings



## Approvals

### Approvals

|                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------|
| Approvals                                                                                                             |
| CSA / UL Recognized / SEV / cUL Recognized / CCA / IEC EE CB Scheme / EAC / CCA / IEC EE CB Scheme / cULus Recognized |

### Ex Approvals

### Approval details

<https://www.phoenixcontact.com/cn/products/1733415>

## PCB terminal block - SMKDSP 1,5/ 2 - 1733415

### Approvals

|                                |                                                                                   |                                                                                                                                                                                           |       |
|--------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| CSA                            |  | <a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a> | 13631 |
|                                | B                                                                                 | D                                                                                                                                                                                         |       |
| mm²/AWG/kcmil                  | 28-14                                                                             | 28-14                                                                                                                                                                                     |       |
| Nominal current I <sub>N</sub> | 10 A                                                                              | 10 A                                                                                                                                                                                      |       |
| Nominal voltage U <sub>N</sub> | 300 V                                                                             | 300 V                                                                                                                                                                                     |       |

|                                |                                                                                   |                                                                                                                                                       |              |
|--------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 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                                                                                 | D                                                                                                                                                     |              |
| mm²/AWG/kcmil                  | 30-14                                                                             | 30-14                                                                                                                                                 |              |
| Nominal current I <sub>N</sub> | 15 A                                                                              | 10 A                                                                                                                                                  |              |
| Nominal voltage U <sub>N</sub> | 250 V                                                                             | 300 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-3542-M1 |
|                                |                                                                                     |                                                                                                                                                       |            |
| mm²/AWG/kcmil                  | 2.5                                                                                 |                                                                                                                                                       |            |
| Nominal current I <sub>N</sub> | 22 A                                                                                |                                                                                                                                                       |            |
| Nominal voltage U <sub>N</sub> | 250 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                                                                                   | D                                                                                                                                                     |              |
| mm²/AWG/kcmil                  | 30-14                                                                               | 30-14                                                                                                                                                 |              |
| Nominal current I <sub>N</sub> | 15 A                                                                                | 10 A                                                                                                                                                  |              |
| Nominal voltage U <sub>N</sub> | 250 V                                                                               | 300 V                                                                                                                                                 |              |

|     |         |
|-----|---------|
| CCA | IK-2722 |
|-----|---------|

|                 |                                                                                     |                                                           |         |
|-----------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------|---------|
| IECEE CB Scheme |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | CH-8225 |
|-----------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------|---------|

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

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## PCB terminal block - SMKDSP 1,5/ 2 - 1733415

### Approvals

| CCA                            |  | IK-2722 |
|--------------------------------|--|---------|
|                                |  |         |
| mm <sup>2</sup> /AWG/kcmil     |  | 2.5     |
| Nominal current I <sub>N</sub> |  | 22 A    |
| Nominal voltage U <sub>N</sub> |  | 250 V   |

|                                |                                                                                   |                                                           |         |
|--------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------|---------|
| IECEE CB Scheme                |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | CH-8225 |
|                                |                                                                                   |                                                           |         |
| mm <sup>2</sup> /AWG/kcmil     |                                                                                   | 2.5                                                       |         |
| Nominal current I <sub>N</sub> |                                                                                   | 22 A                                                      |         |
| Nominal voltage U <sub>N</sub> |                                                                                   | 250 V                                                     |         |

|                  |                                                                                    |                                                                                                                                                       |
|------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| cULus 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> |
|------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

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