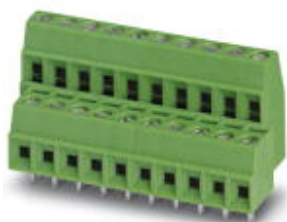


## PCB terminal block - MKKDS 1/15-3,5 - 1751523

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



PCB terminal block, nominal current: 8 A, nom. voltage: 200 V, pitch: 3.5 mm, number of positions: 15, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green

The figure shows a 10-pos. version with 20 contacts

### Why buy this product

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Extremely small design for the respective conductor cross section
- ✓ Conductor connection on several levels enables higher contact density



### Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 50 STK                                                                               |
| GTIN         |  |
| GTIN         | 4017918115944                                                                        |

### Technical data

#### Dimensions

|                       |              |
|-----------------------|--------------|
| Length [ l ]          | 16.3 mm      |
| Pitch                 | 3.5 mm       |
| Dimension a           | 49 mm        |
| Width [ w ]           | 54.75 mm     |
| Constructional height | 16.2 mm      |
| Height [ h ]          | 19.7 mm      |
| Solder pin [P]        | 3.5 mm       |
| Pin dimensions        | 0,5 x 0,9 mm |
| Hole diameter         | 1.1 mm       |

#### General

# PCB terminal block - MKKDS 1/15-3,5 - 1751523

## Technical data

### General

|                                        |                   |
|----------------------------------------|-------------------|
| Range of articles                      | MKKDS 1           |
| Insulating material group              | I                 |
| 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             |
| Rated voltage (III/2)                  | 200 V             |
| Rated voltage (II/2)                   | 400 V             |
| Connection in acc. with standard       | EN-VDE            |
| Nominal current $I_N$                  | 8 A               |
| Nominal cross section                  | 1 mm <sup>2</sup> |
| Maximum load current                   | 10 A              |
| Insulating material                    | PA                |
| Solder pin surface                     | Sn                |
| Flammability rating according to UL 94 | V0                |
| Stripping length                       | 5 mm              |
| Number of positions                    | 15                |
| Screw thread                           | M2                |
| Tightening torque, min                 | 0.22 Nm           |
| Tightening torque max                  | 0.25 Nm           |

### Connection data

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                         | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.                                         | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.                                      | 1 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. | 0.5 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.    | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.                                           | 26                   |
| Conductor cross section AWG max.                                           | 16                   |
| 2 conductors with same cross section, solid min.                           | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                           | 0.5 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.                        | 0.2 mm <sup>2</sup>  |

### Standards and Regulations

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

# PCB terminal block - MKKDS 1/15-3,5 - 1751523

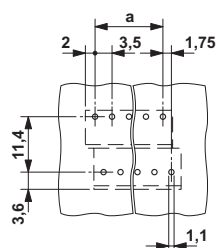
## Technical data

### Environmental Product Compliance

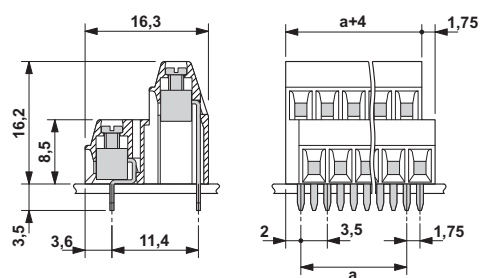
|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50           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

## Drawings

Drilling diagram



Dimensional drawing



## Approvals

### Approvals

#### Approvals

CSA / SEV / CCA / IECCEB CB Scheme / EAC / cULus Recognized / CCA / IECCEB CB Scheme

#### Ex Approvals

### Approval details

|                                |                                                                                     |                                                                                                                                         |       |
|--------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------|
| CSA                            |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
|                                | B                                                                                   | D                                                                                                                                       |       |
| mm <sup>2</sup> /AWG/kcmil     | 28-16                                                                               | 28-16                                                                                                                                   |       |
| Nominal current I <sub>N</sub> | 10 A                                                                                | 10 A                                                                                                                                    |       |
| Nominal voltage U <sub>N</sub> | 150 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 |
| mm <sup>2</sup> /AWG/kcmil | 1.5                                                                                 |                                                                                                                                                       |            |

## PCB terminal block - MKKDS 1/15-3,5 - 1751523

### Approvals

|                                |       |
|--------------------------------|-------|
|                                |       |
| Nominal current I <sub>N</sub> | 10 A  |
| Nominal voltage U <sub>N</sub> | 125 V |

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

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

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

|                                |                                                                                   |                                                                                                                                                       |                 |
|--------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 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> | E60425-19770427 |
|                                | B                                                                                 | D                                                                                                                                                     |                 |
| mm²/AWG/kcmil                  | 30-16                                                                             | 30-16                                                                                                                                                 |                 |
| Nominal current I <sub>N</sub> | 10 A                                                                              | 10 A                                                                                                                                                  |                 |
| Nominal voltage U <sub>N</sub> | 300 V                                                                             | 300 V                                                                                                                                                 |                 |

|                                |         |
|--------------------------------|---------|
| CCA                            | IK-2722 |
|                                |         |
| mm²/AWG/kcmil                  | 1.5     |
| Nominal current I <sub>N</sub> | 12 A    |
| Nominal voltage U <sub>N</sub> | 125 V   |

|                                |                                                                                     |                                                           |         |
|--------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------|---------|
| IECEE CB Scheme                |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | CH-8225 |
|                                |                                                                                     |                                                           |         |
| mm²/AWG/kcmil                  | 1.5                                                                                 |                                                           |         |
| Nominal current I <sub>N</sub> | 10 A                                                                                |                                                           |         |
| Nominal voltage U <sub>N</sub> | 125 V                                                                               |                                                           |         |

Phoenix Contact 2018 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>