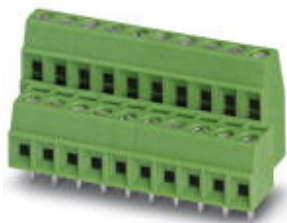


PCB terminal block - MKKDS 1/ 7-3,5 - 1751442

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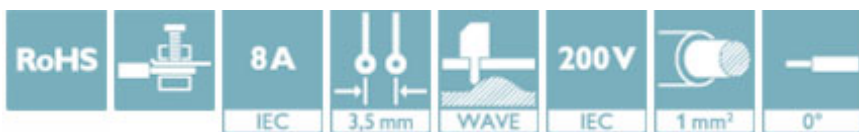


PCB terminal block, nominal current: 8 A, nom. voltage: 200 V, pitch: 3.5 mm, number of positions: 7, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green

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 | 4017918115876 |

Technical data

Dimensions

| | |
|-----------------------|--------------|
| Length [l] | 21.4 mm |
| Pitch | 3.5 mm |
| Dimension a | 21.00 mm |
| Width [w] | 37.50 mm |
| Constructional height | 25.2 mm |
| Height [h] | 28.7 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/ 7-3,5 - 1751442

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 ² |
| 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 | 7 |
| 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 ² |
| Conductor cross section solid max. | 1.5 mm ² |
| Conductor cross section flexible min. | 0.14 mm ² |
| Conductor cross section flexible max. | 1 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 0.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 0.5 mm ² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 16 |
| 2 conductors with same cross section, solid min. | 0.14 mm ² |
| 2 conductors with same cross section, solid max. | 0.5 mm ² |
| 2 conductors with same cross section, stranded min. | 0.14 mm ² |
| 2 conductors with same cross section, stranded max. | 0.2 mm ² |

Standards and Regulations

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

PCB terminal block - MKKDS 1/ 7-3,5 - 1751442

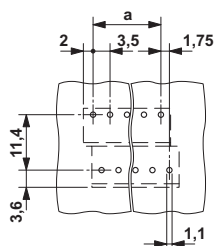
Technical data

Environmental Product Compliance

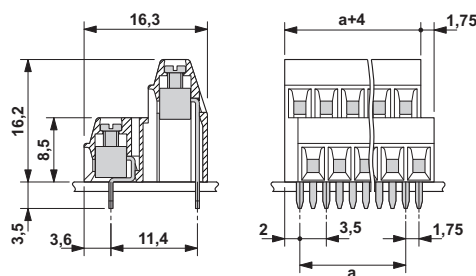
| | |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

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 | | http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ | 13631 |
| | B | D | |
| mm ² /AWG/kcmil | 28-16 | 28-16 | |
| Nominal current I _N | 10 A | 10 A | |
| Nominal voltage U _N | 150 V | 300 V | |


| | | | |
|----------------------------|-----|---|------------|
| SEV | | https://www.electrosuisse.ch/en/meta/shop/product-certificates.html | IK-3542-M1 |
| mm ² /AWG/kcmil | 1.5 | | |

PCB terminal block - MKKDS 1/ 7-3,5 - 1751442

Approvals

| | |
|--------------------|-------|
| Nominal current IN | 10 A |
| Nominal voltage UN | 125 V |

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


| | | | |
|-----------------|---|---|---------|
| IECEE CB Scheme |  | http://www.iecee.org/ | CH-8225 |
|-----------------|---|---|---------|

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

| | | | |
|------------------|---|---|-----------------|
| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19770427 |
|------------------|---|---|-----------------|

| | B | D |
|----------------------------|-------|-------|
| mm ² /AWG/kcmil | 30-16 | 30-16 |
| Nominal current IN | 10 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

| | |
|----------------------------|---------|
| CCA | IK-2722 |
| mm ² /AWG/kcmil | 1.5 |
| Nominal current IN | 12 A |
| Nominal voltage UN | 125 V |

| | | | |
|----------------------------|---|---|---------|
| IECEE CB Scheme |  | http://www.iecee.org/ | CH-8225 |
| mm ² /AWG/kcmil | 1.5 | | |
| Nominal current IN | 10 A | | |
| Nominal voltage UN | 125 V | | |

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