

PCB terminal block - MKKDS 3/ 2 - 1721029

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PCB terminal block, Nominal current: 22 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: 0 °, Color: green, The article can be aligned to create different nos. of positions!

Why buy this product

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Conductor connection on several levels enables higher contact density
- ✓ Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve
- ✓ The latching on the side enables various numbers of positions to be combined



Key Commercial Data

| | |
|--------------------------------------|---------------|
| Packing unit | 50 STK |
| Minimum order quantity | 50 STK |
| GTIN | |
| GTIN | 4017918025014 |
| Weight per Piece (excluding packing) | 8.840 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

Environmental Product Compliance

| | |
|------------|--|
| China RoHS | Hazardous substances above threshold values; |
| | Environmentally Friendly Use Period = 50; |
| | For details go to tab "Downloads", Category "Manufacturer's declaration" |

Dimensions

| | |
|--------|---------|
| Length | 22.3 mm |
|--------|---------|

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Technical data

Dimensions

| | |
|--------------------------|--------------|
| Pitch | 5.00 mm |
| Dimension a | 5 mm |
| Constructional height | 32 mm |
| Length of the solder pin | 5 mm |
| Pin dimensions | 0,9 x 0,9 mm |
| Hole diameter | 1.3 mm |

General

| | |
|--|---|
| Range of articles | MKKDS 3 |
| 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 | 22 A |
| Nominal cross section | 2.5 mm ² |
| Maximum load current | 24 A (with 4 mm ² conductor cross section) |
| Insulating material | PA |
| Solder pin surface | Sn |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A3 |
| 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. | 0.2 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 2.5 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. | 1.5 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. | 2.5 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 12 |
| 2 conductors with same cross section, solid min. | 0.2 mm ² |

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Technical data

Connection data

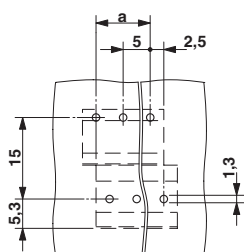
| | |
|---|----------------------|
| 2 conductors with same cross section, solid max. | 1.5 mm ² |
| 2 conductors with same cross section, stranded min. | 0.2 mm ² |
| 2 conductors with same cross section, stranded max. | 1.5 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.75 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm ² |

Standards and Regulations

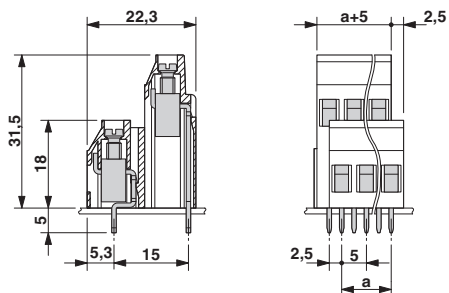
| | |
|--|--------|
| Connection in acc. with standard | EN-VDE |
| | CSA |
| Flammability rating according to UL 94 | V0 |

Drawings

Drilling diagram



Dimensional drawing



Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| 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 |

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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


Approvals

CSA / UL Recognized / SEV / cUL Recognized / RS / CCA / EAC / EAC / cULus Recognized

Ex Approvals

Approval details

| | | |
|---|-------|-------|
| CSA  http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing 13631 | | |
| | B | D |
| mm ² /AWG/kcmil | 28-12 | 28-12 |
| Nominal current I _N | 10 A | 10 A |
| Nominal voltage U _N | 300 V | 300 V |

| | | |
|--|-------|-------|
| UL Recognized  http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425 | | |
| | B | D |
| mm ² /AWG/kcmil | 30-12 | 30-12 |
| Nominal current I _N | 15 A | 10 A |
| Nominal voltage U _N | 125 V | 300 V |

| | |
|---|-------|
| SEV https://www.electrosuisse.ch IK-3248 | |
| mm ² /AWG/kcmil | 4 |
| Nominal voltage U _N | 250 V |

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Approvals

| | | |
|---|-------|-------|
| cUL Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425 | | |
| | B | D |
| mm ² /AWG/kcmil | 30-12 | 30-12 |
| Nominal current IN | 15 A | 10 A |
| Nominal voltage UN | 125 V | 300 V |

| |
|---|
| RS http://www.rs-head.spb.ru/en/index.php 10.04059.250 |
|---|

| | |
|----------------------------|-------|
| CCA IK-3249 | |
| mm ² /AWG/kcmil | 4 |
| Nominal voltage UN | 250 V |

| |
|-------------------|
| EAC EAC-Zulassung |
|-------------------|

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

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

Accessories

Bridge

Insertion bridge - EBP 2- 5 - 1733169

Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 2



Cover

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Accessories

Cover - EA-MKDS - 1711408



Labeled terminal marker

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, for terminal block width: 5 mm, Lettering field: 5 x 3.8 mm

Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip