

Single PCB terminal block - MKDS 10 HV/ 2-ZB-10,16 - 1709681

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10.16 mm, Number of positions: 2, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green


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

Why buy this product

- 10.16 mm pitch
- Compact high-capacity PCB terminal blocks with screw connection up to 16 mm², stranded, and a current carrying capacity of 76 A
- Unlimited 600 V UL approval thanks to zigzag pinning
- Terminal block bases that can be mounted side by side to create any number of positions



Key commercial data

| | |
|--------------------------------------|---|
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| GTIN |  4 046356 073769 |
| Weight per Piece (excluding packing) | 16.73 g |
| Custom tariff number | 85369010 |
| Country of origin | China |

Technical data

Dimensions

| | |
|----------------|------------|
| Length | 18.8 mm |
| Height | 31 mm |
| Pitch | 10.16 mm |
| Dimension a | 10.16 mm |
| Pin dimensions | 1 x 0,9 mm |
| Hole diameter | 1.5 mm |

General

| | |
|---------------------------|------------|
| Range of articles | MKDS 10 HV |
| Insulating material group | I |

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Technical data

General

| | |
|---|--|
| Rated surge voltage (III/3) | 8 kV |
| Rated surge voltage (III/2) | 8 kV |
| Rated surge voltage (II/2) | 8 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 | 76 A |
| Nominal cross section | 10 mm ² |
| Maximum load current | 76 A (with 16 mm ² conductor cross section) |
| Insulating material | PA |
| Solder pin surface | Sn |
| Inflammability class according to UL 94 | V0 |
| Internal cylindrical gage | B6 |
| Stripping length | 10 mm |
| Number of positions | 2 |
| Screw thread | M4 |
| Tightening torque, min | 1.2 Nm |
| Tightening torque max | 1.5 Nm |

Connection data

| | |
|---|---------------------|
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 16 mm ² |
| Conductor cross section stranded min. | 0.5 mm ² |
| Conductor cross section stranded max. | 16 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.5 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 16 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.5 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 16 mm ² |
| Conductor cross section AWG/kcmil min. | 20 |
| Conductor cross section AWG/kcmil max | 6 |
| 2 conductors with same cross section, solid min. | 0.5 mm ² |
| 2 conductors with same cross section, solid max. | 6 mm ² |
| 2 conductors with same cross section, stranded min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded max. | 6 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 4 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |

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Technical data

Connection data

| | |
|---|-------------------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 6 mm ² |
|---|-------------------|

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 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| 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

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

Ex Approvals

Approvals submitted

Approval details

Single PCB terminal block - MKDS 10 HV/ 2-ZB-10,16 - 1709681

Approvals

| | | |
|--------------------------------|-------|-------|
| UL Recognized | | |
| | B | C |
| mm ² /AWG/kcmil | 20-6 | 20-6 |
| Nominal current I _N | 60 A | 60 A |
| Nominal voltage U _N | 600 V | 600 V |

| | |
|--------------------------------|-------|
| SEV | |
| | |
| mm ² /AWG/kcmil | 10 |
| Nominal current I _N | 76 A |
| Nominal voltage U _N | 800 V |

| | | |
|--------------------------------|-------|-------|
| cUL Recognized | | |
| | B | C |
| mm ² /AWG/kcmil | 20-6 | 20-6 |
| Nominal current I _N | 60 A | 60 A |
| Nominal voltage U _N | 600 V | 600 V |

| | |
|-----------------|--|
| IECEE CB Scheme | |
|-----------------|--|

| | |
|--------------------------------|-------|
| SEV | |
| | |
| mm ² /AWG/kcmil | 16 |
| Nominal current I _N | 76 A |
| Nominal voltage U _N | 800 V |

| |
|-----|
| CCA |
|-----|

| |
|-----|
| EAC |
|-----|

| | |
|------------------|--|
| cULus Recognized | |
|------------------|--|

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Accessories

Accessories

Screwdriver tools

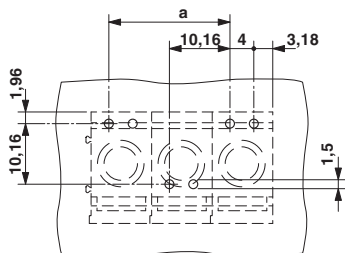
Screwdriver - SZS 0,6X3,5 - 1205053



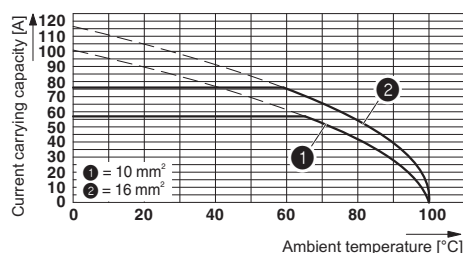
Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Drawings

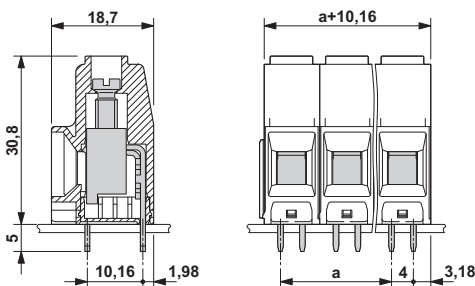
Drilling diagram



Diagram



Dimensioned drawing



The illustration shows the dimensional drawing of the 3-pos. version of the product