# PCB terminal block - MKDS 5 HV/ 6-ZB-6,35 - 1724608

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The illustration shows the 5-position version of the product

PCB terminal block, Nominal current: 41 A, Nom. voltage: 1000 V, Pitch: 6.35 mm, Number of positions: 6, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green

## Key commercial data

| | |
|---|---|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 18.2 GRM |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

## Technical data

### Dimensions

| | |
|---|---|
| Length | 15.85 mm |
| Height | 32 mm |
| Pitch | 6.35 mm |
| Dimension a | 31.75 mm |
| Pin dimensions | 0,9 x 0,9 |
| Pin spacing | 9 mm |
| Hole diameter | 1.3 mm |

### General

| | |
|---|---|
| Range of articles | MKDS 5 HV |
| Insulating material group | I |
| 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 |

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## Technical data

### General

| | |
|---|---|
| Rated voltage (III/2) | 1000 V |
| Rated voltage (II/2) | 1000 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current $I_N$ | 41 A (with 6 mm² conductor cross section) |
| Nominal cross section | 4 mm² |
| Maximum load current | 41 A (with 6 mm² conductor cross section) |
| Insulating material | PA |
| Solder pin surface | Sn |
| Inflammability class according to UL 94 | V0 |
| Stripping length | 8 mm |
| Number of positions | 6 |
| Screw thread | M3 |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max | 0.6 Nm |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.2 mm² |
| Conductor cross section solid max. | 6 mm² |
| Conductor cross section stranded min. | 0.2 mm² |
| Conductor cross section stranded max. | 4 mm² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 4 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 4 mm² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 10 |
| 2 conductors with same cross section, solid min. | 0.2 mm² |
| 2 conductors with same cross section, solid max. | 1.5 mm² |
| 2 conductors with same cross section, stranded min. | 0.2 mm² |
| 2 conductors with same cross section, stranded max. | 1.5 mm² |
| 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. | 0.75 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. | 2.5 mm² |
| Minimum AWG according to UL/CUL | 24 |

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## Technical data

### Connection data

| | |
|---|---|
| Maximum AWG according to UL/CUL | 10 |

## 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 |

### 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 / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details

# PCB terminal block - MKDS 5 HV/ 6-ZB-6,35 - 1724608

## Approvals

UL Recognized

| | B | C |
|---|---|---|
| mm²/AWG/kcmil | 24-10 | 24-10 |
| Nominal current IN | 30 A | 30 A |
| Nominal voltage UN | 600 V | 600 V |

cUL Recognized

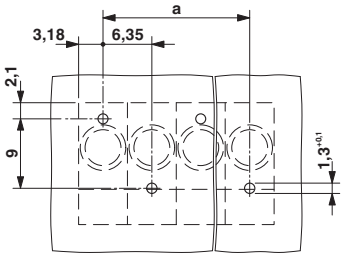
| | B | C |
|---|---|---|
| mm²/AWG/kcmil | 24-10 | 24-10 |
| Nominal current IN | 30 A | 30 A |
| Nominal voltage UN | 600 V | 600 V |

GOST

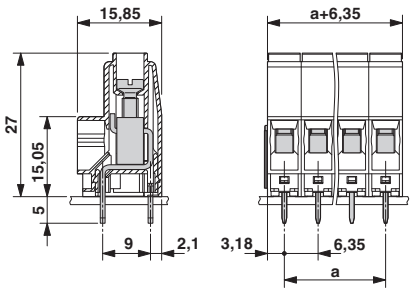
cULus Recognized

## Drawings

Drilling diagram




Dimensioned drawing

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