

## PCB terminal block - MKDS 5 HV/ 9-ZB-6,35 - 1724637

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PCB terminal block, Nominal current: 41 A, Nom. voltage: 1000 V, Pitch: 6.35 mm, Number of positions: 9, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green

The illustration shows the 5-position version of the product



### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	21.55 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	50.8 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 mm <sup>2</sup> conductor cross section)
Nominal cross section	4 mm <sup>2</sup>
Maximum load current	41 A (with 6 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Stripping length	8 mm
Number of positions	9
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 <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	4 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	10
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	24

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## Technical data

### Connection data

Maximum AWG according to UL/CUL	10
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## 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

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#### Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

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## Approvals

UL Recognized

	B	C
mm <sup>2</sup> /AWG/kcmil	24-10	24-10
Nominal current I <sub>N</sub>	30 A	30 A
Nominal voltage U <sub>N</sub>	600 V	600 V

cUL Recognized

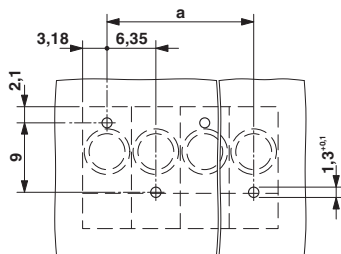
	B	C
mm <sup>2</sup> /AWG/kcmil	24-10	24-10
Nominal current I <sub>N</sub>	30 A	30 A
Nominal voltage U <sub>N</sub>	600 V	600 V

GOST

cULus Recognized

## Drawings

Drilling diagram



Dimensioned drawing

