

## PCB terminal block - MKDS 1/12-3,5 - 1751345

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PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 200 V, Pitch: 3.5 mm, Number of positions: 12, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green



The figure shows a 10-position version of the product

### Why buy this product

- ☒ Single-row type with horizontal connection direction



### Key commercial data

Packing unit	1
Minimum order quantity	1
Catalog page	Page 77 (CC-2011)
GTIN	 4 017918 103903
Custom tariff number	85369010
Country of origin	GERMANY

### Technical data

#### Dimensions / positions

Length	7.3 mm
Pitch	3.5 mm
Dimension a	38.5 mm
Number of positions	12
Pin dimensions	0,5 x 0,9 mm
Hole diameter	1.1 mm
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

#### Technical data

Range of articles	MKDS 1
Insulating material group	I
Rated surge voltage (III/3)	2.5 kV

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## Technical data

### Technical data

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 $I_N$	13.5 A
Nominal cross section	1 mm <sup>2</sup>
Insulating material	PA
Inflammability class according to UL 94	V0
Stripping length	5 mm
Nominal voltage, UL/CUL Use Group B	300 V
Nominal current, UL/CUL Use Group B	10 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	10 A

### Connection data

Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.14 mm <sup>2</sup>
Conductor cross section stranded max.	1.5 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.	0.5 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.	0.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	16
2 conductors with same cross section, solid min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, solid max.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	0.34 mm <sup>2</sup>
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	16

## Classifications

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

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## Classifications

### UNSPSC

UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432
UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432

### 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

## Approvals

### Approvals


#### Approvals


CSA / UL Recognized / SEV / cUL Recognized / GOST / CCA / IECCEB Scheme / GOST / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

CSA 		
	B	D
mm²/AWG/kcmil	28-16	28-16
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	150 V	300 V


UL Recognized 		
	B	D
mm²/AWG/kcmil	30-16	30-16

## PCB terminal block - MKDS 1/12-3,5 - 1751345

### Approvals

	B	D
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V


SEV	
mm <sup>2</sup> /AWG/kcmil	1.5
Nominal voltage U <sub>N</sub>	125 V

cUL Recognized 		
	B	D
mm <sup>2</sup> /AWG/kcmil	30-16	30-16
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

GOST 
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CCA
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IECEE CB Scheme 
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GOST 
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cULus Recognized 
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### Accessories

Accessories

Marking

## PCB terminal block - MKDS 1/12-3,5 - 1751345

### Accessories

Marker cards - SK 3,5/2,8:FORTL.ZAHLEN - 0804073



Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 99, Mounting type: Adhesive, For terminal block width: 3.5 mm

Marker cards - SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker cards, Sheet, white, Unlabeled, Can be labeled with: Plotter, Office-Drucksysteme, Mounting type: Adhesive

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

### Tools

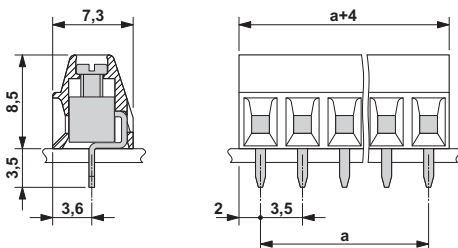
Screwdriver - SZS 0,4X2,5 VDE - 1205037



Screwdriver, bladed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

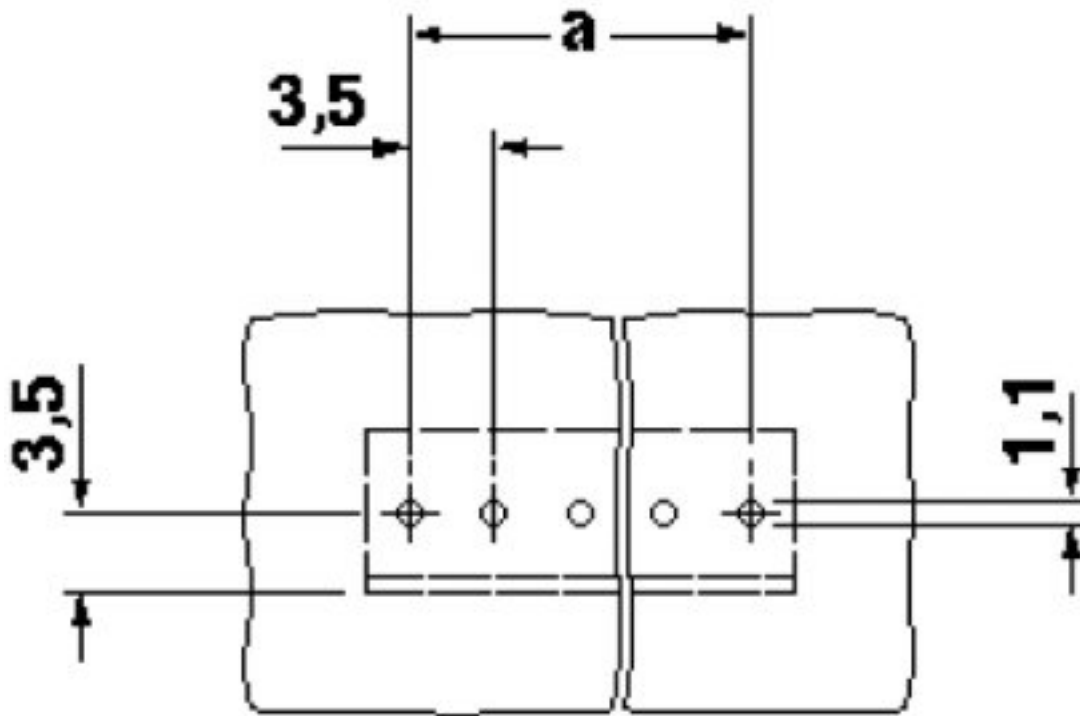
### Drawings

Dimensioned drawing



## PCB terminal block - MKDS 1/12-3,5 - 1751345

Drilling diagram



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