

**MKDS 1**

Pitch 3.5 or 3.81


(IEC)	rigid	flexible	I	U
[mm <sup>2</sup> ]	solid	stranded	AWG	[A]

Connection data 0.14-1.5 0.14-1 26-16 12 160



Description	No. of positions	Dim. a [mm]	Type	Order No.	Pcs. Pkt.
<b>Printed circuit screw termination blocks, 3.5 mm pitch,</b> without housing interlocking, color: green	2	3.5	<b>MKDS 1/2-3,5</b>	<b>17 51 24 8</b>	50
	3	7	<b>MKDS 1/3-3,5</b>	<b>17 51 25 1</b>	
	4	10.5	<b>MKDS 1/4-3,5</b>	<b>17 51 26 4</b>	
	5	14	<b>MKDS 1/5-3,5</b>	<b>17 51 27 7</b>	
	6	17.5	<b>MKDS 1/6-3,5</b>	<b>17 51 28 0</b>	
	7	21	<b>MKDS 1/7-3,5</b>	<b>17 51 29 3</b>	
	8	24.5	<b>MKDS 1/8-3,5</b>	<b>17 51 30 3</b>	
	9	28	<b>MKDS 1/9-3,5</b>	<b>17 51 31 6</b>	
	10	31.5	<b>MKDS 1/10-3,5</b>	<b>17 51 32 9</b>	
	11	35	<b>MKDS 1/11-3,5</b>	<b>17 51 33 2</b>	
	12	38.5	<b>MKDS 1/12-3,5</b>	<b>17 51 34 5</b>	
	13	42	MKDS 1/13-3,5	17 51 35 8	
	14	45.5	MKDS 1/14-3,5	17 51 36 1	
	15	49	MKDS 1/15-3,5	17 51 37 4	
	16	52.5	MKDS 1/16-3,5	17 51 38 7	
	<b>Printed circuit screw termination blocks, 3.81 mm pitch,</b> without housing interlocking, color: green	2	3.81	<b>MKDS 1/2-3,81</b>	
3		7.62	<b>MKDS 1/3-3,81</b>	<b>17 27 02 3</b>	
4		11.43	<b>MKDS 1/4-3,81</b>	<b>17 27 03 6</b>	
5		15.24	<b>MKDS 1/5-3,81</b>	<b>17 27 04 9</b>	
6		19.05	<b>MKDS 1/6-3,81</b>	<b>17 27 05 2</b>	
7		22.86	<b>MKDS 1/7-3,81</b>	<b>17 27 06 5</b>	
8		26.67	<b>MKDS 1/8-3,81</b>	<b>17 27 07 8</b>	
9		30.48	<b>MKDS 1/9-3,81</b>	<b>17 27 08 1</b>	
10		34.29	<b>MKDS 1/10-3,81</b>	<b>17 27 09 4</b>	
11		38.10	<b>MKDS 1/11-3,81</b>	<b>17 27 10 4</b>	
12		41.91	<b>MKDS 1/12-3,81</b>	<b>17 27 11 7</b>	

**Accessories**

(1) <b>Screwdriver</b> , blade: 0.4 x 2.5 x 80 mm, length: 160 mm		<b>SZS 0,4 x 2,5</b>	<b>12 05 03 7</b>	10
(2) <b>Marker card</b> , with 14 pcs., 10-section marker strips, white, self-adhesive, for 140 terminal blocks		<b>SK 3,5/2,8... or SK 3,81/2,8</b> (see info)		

**Technical data****Dimensions**

see description

Pitch	[mm]	3.5 / 3.81
Hole diameter	[mm]	1.1
Pin dimensions	[mm]	0.5 x 0.9

**Technical data in accordance with IEC / DIN VDE**

Insulation material group	–		I	
Surge voltage category / contamination class	–/–	III / 3	III / 2	II / 2
Rated voltage	[V]	160	160	320
Rated surge voltage	[kV]	2.5	2.5	2.5
Nominal current / cross section	[A]/[mm <sup>2</sup> ]		10 / 1	
Maximum load current / cross section	[A]/[mm <sup>2</sup> ]		12 / 1.5	

**Connection capacity**

solid / stranded / conductor sizes	[mm <sup>2</sup> ]/[mm <sup>2</sup> ]/AWG	0.14 - 1.5 / 0.14 - 1 / 26 - 16
stranded with ferrules without / with plastic collar	[mm <sup>2</sup> ]	0.25 - 0.5 / 0.25 - 0.5

**Multiple connection (2 conductors with same cross section)**

solid / stranded	[mm <sup>2</sup> ]	0.14 - 0.5 / 0.14 - 0.2
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<b>Stripping length</b>	[mm]	5
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<b>Thread</b>	–	M 2
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<b>Torque</b>	[Nm]	0.22 - 0.25
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<b>Insulation material</b>		PA
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Inflammability class acc. to UL 94		V0 (V2)*
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Temperature indices RTI/Ti		130 / 120 (125 / 100)*
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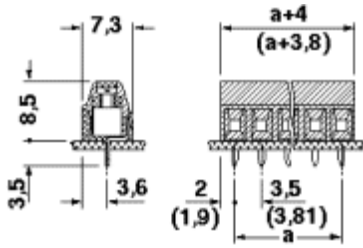
**Approval data (UL and CSA)**

Nominal voltage / current / conductor sizes	UL: [V] / [A] / AWG	300 / 10 / 30-16
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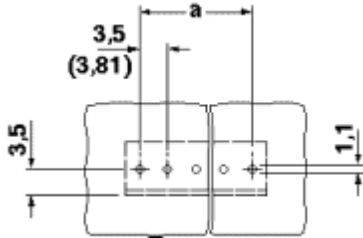
	CSA: [V] / [A] / AWG	300 / 10 / 28-16
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\* MKDS 1/...-3,81

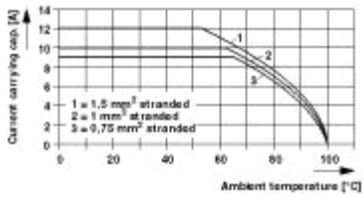
**Articles printed in bold can be delivered at short notice.****Products with black or gray housing available on request.****Note:****In order to avoid tolerances between the terminal blocks and the printed circuit board, the terminal row should be interrupted when the number of positions exceeds 30.****Dimensional drawing**



**Drilling diagram**



**Diagram**



Current carrying capacity depending on the ambient temperature MKDS 1/2

