

MKDS 1



Pitch 3.5 or 3.81

(IEC)	rigid	flexible	I	U	
[mm ²]	solid	stranded	AWG	[A]	[V]
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.
Printed circuit screw termination blocks, 3.5 mm pitch, without housing interlocking, color: green	2	3.5	MKDS 1/2-3,5	17 51 24 8	50
	3	7	MKDS 1/3-3,5	17 51 25 1	
	4	10.5	MKDS 1/4-3,5	17 51 26 4	
	5	14	MKDS 1/5-3,5	17 51 27 7	
	6	17.5	MKDS 1/6-3,5	17 51 28 0	
	7	21	MKDS 1/7-3,5	17 51 29 3	
	8	24.5	MKDS 1/8-3,5	17 51 30 3	
	9	28	MKDS 1/9-3,5	17 51 31 6	
	10	31.5	MKDS 1/10-3,5	17 51 32 9	
	11	35	MKDS 1/11-3,5	17 51 33 2	
	12	38.5	MKDS 1/12-3,5	17 51 34 5	
	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	
	Printed circuit screw termination blocks, 3.81 mm pitch, without housing interlocking, color: green	2	3.81	MKDS 1/2-3,81	
3		7.62	MKDS 1/3-3,81	17 27 02 3	
4		11.43	MKDS 1/4-3,81	17 27 03 6	
5		15.24	MKDS 1/5-3,81	17 27 04 9	
6		19.05	MKDS 1/6-3,81	17 27 05 2	
7		22.86	MKDS 1/7-3,81	17 27 06 5	
8		26.67	MKDS 1/8-3,81	17 27 07 8	
9		30.48	MKDS 1/9-3,81	17 27 08 1	
10		34.29	MKDS 1/10-3,81	17 27 09 4	
11		38.10	MKDS 1/11-3,81	17 27 10 4	
12		41.91	MKDS 1/12-3,81	17 27 11 7	

Accessories

(1) **Screwdriver**,
blade: 0.4 x 2.5 x 80 mm,
length: 160 mm

**SZS 0,4 x 2,5****12 05 03 7**

10

(2) **Marker card**, with 14 pcs.,
10-section marker strips, white,
self-adhesive, for 140 terminal blocks

SK 3,5/2,8... or SK 3,81/2,8
(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 ²]		10 / 1	
Maximum load current / cross section	[A]/[mm ²]		12 / 1.5	

Connection capacity

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

Multiple connection (2 conductors with same cross section)

solid / stranded	[mm ²]	0.14 - 0.5 / 0.14 - 0.2
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Stripping length	[mm]	5
Thread	–	M 2
Torque	[Nm]	0.22 - 0.25

Insulation material

Inflammability class acc. to UL 94		V0 (V2)*
Temperature indices RTI/Ti		130 / 120 (125 / 100)*

Approval data (UL and CSA)

Nominal voltage / current / conductor sizes	UL: [V] / [A] / AWG	300 / 10 / 30-16
	CSA: [V] / [A] / AWG	300 / 10 / 28-16

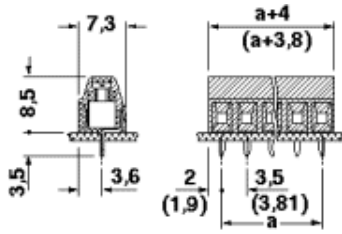
* MKDS 1/...-3,81

**Articles printed in bold can be delivered at short notice.
Products with black or gray housing available on request.**

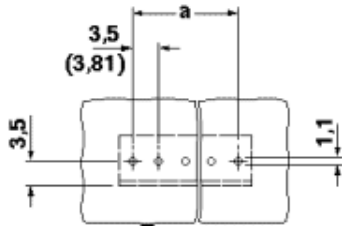
Note:

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.

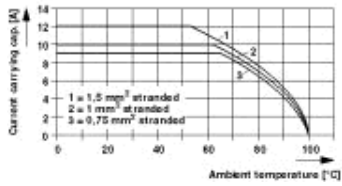
Dimensional drawing



Drilling diagram



Diagram



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

