

**DFK-MSTB 2,5/...-G**

with solder or tab connection

Pitch 5.0 or. 5.08

(IEC) [mm <sup>2</sup> ]	rigid solid	flexible stranded	AWG	I [A]	U [V]
Solder connection	0.2 - 2.5	0.2 - 2.5	24-12	12	250
Tab connection				8	250

**HCA**

Description	No. of positions	Dim. a [mm]	Type	Order No.	Pcs. Pkt.
<b>Feed through header,</b> 5.0 mm pitch, color: green	2	5	<b>DFK-MSTB 2,5/2-G</b>	<b>07 07 10 9</b>	50
	3	10	<b>DFK-MSTB 2,5/3-G</b>	<b>07 07 11 2</b>	
	4	15	<b>DFK-MSTB 2,5/4-G</b>	<b>07 07 12 5</b>	
	5	20	DFK-MSTB 2,5/5-G	<b>07 07 13 8</b>	
	6	25	<b>DFK-MSTB 2,5/6-G</b>	<b>07 07 14 1</b>	
	7	30	DFK-MSTB 2,5/7-G	<b>07 07 15 4</b>	
	8	35	<b>DFK-MSTB 2,5/8-G</b>	<b>07 07 06 0</b>	
	9	40	DFK-MSTB 2,5/9-G	<b>07 07 16 7</b>	
	10	45	<b>DFK-MSTB 2,5/10-G</b>	<b>07 07 17 0</b>	
	11	50	DFK-MSTB 2,5/11-G	<b>07 07 18 3</b>	
	12	55	<b>DFK-MSTB 2,5/12-G</b>	<b>07 07 19 6</b>	
	13	60	DFK-MSTB 2,5/13-G	<b>07 07 20 6</b>	
	14	65	DFK-MSTB 2,5/14-G	<b>07 07 21 9</b>	
	15	70	DFK-MSTB 2,5/15-G	<b>07 07 22 2</b>	
	16	75	DFK-MSTB 2,5/16-G	<b>07 07 23 5</b>	
<b>Feed through header,</b> 5.08 mm pitch, color: green	2	5.08	<b>DFK-MSTB 2,5/2-G-5,08</b>	<b>07 07 24 8</b>	50
	3	10.16	<b>DFK-MSTB 2,5/3-G-5,08</b>	<b>07 07 25 1</b>	
	4	15.24	<b>DFK-MSTB 2,5/4-G-5,08</b>	<b>07 07 26 4</b>	
	5	20.32	DFK-MSTB 2,5/5-G-5,08	<b>07 07 27 7</b>	
	6	25.40	<b>DFK-MSTB 2,5/6-G-5,08</b>	<b>07 07 28 0</b>	
	7	30.48	DFK-MSTB 2,5/7-G-5,08	<b>07 07 29 3</b>	

8	35.56	DFK-MSTB 2,5/8-G-5,08	07 07 05 7
9	40.64	DFK-MSTB 2,5/9-G-5,08	07 07 30 3
10	45.72	DFK-MSTB 2,5/10-G-5,08	07 07 31 6
11	50.80	DFK-MSTB 2,5/11-G-5,08	07 07 32 9
12	55.88	DFK-MSTB 2,5/12-G-5,08	07 07 33 2
13	60.96	DFK-MSTB 2,5/13-G-5,08	07 07 34 5
14	66.04	DFK-MSTB 2,5/14-G-5,08	07 07 35 8
15	71.12	DFK-MSTB 2,5/15-G-5,08	07 07 36 1
16	76.20	DFK-MSTB 2,5/16-G-5,08	07 07 37 4

## Accessories

(1) **Locking latch**,  
red insulating material, only with MSTB  
2,5/...ST and MSTBT 2,5/...ST



DFK-MSTB-R

50 30 17 2

50

(2) **Screw set**, to secure the header to  
the housing wall, consists of M 3 x 10  
screw, spring washer and nut

DFK-MSTB-SS

07 08 26 3

100

## Technical data

## Dimensions

see description

Pitch [mm] 5.0 / 5.08

## 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]		320	320	630
Rated surge voltage [kV]		4	4	4
Nominal current / cross section [A]/[mm <sup>2</sup> ]			12 / 2.5	
Maximum load current / cross section [A]/[mm <sup>2</sup> ]			12 / 2.5	
Tab connection (DIN 46249-1): I <sub>max</sub> / nominal size [A]/[mm]			8 / 2.8 x 0.8	

## Connection capacity

solid / stranded / conductor sizes [mm<sup>2</sup>]/[mm<sup>2</sup>]/AWG 0.2 - 2.5 / 0.2 - 2.5 / 24 - 12

## Insulation material

PA

Inflammability class acc. to UL 94

V2

Temperature indices RTI/Ti

125/100

## Approval data (UL and CSA)

Nominal voltage / current / conductor sizes	UL: [V] / [A] / AWG	300 / 10 / —
	CSA: [V] / [A] / AWG	300 / 10 / —

No. of pos.	Terminal width 5.0		Terminal width 5.08	
	b	c	b	c
2	12.7	20	13.18	20.32
3	17.7	25	18.26	25.40
4	22.7	30	23.24	30.48
5	27.7	35	28.42	35.56
6	32.7	40	33.50	40.64
7	37.7	45	38.58	45.72
8	42.7	50	43.66	50.80

8	42.7	50	43.66	50.80
9	47.7	55	48.74	55.88
10	52.7	60	53.82	60.96
11	57.7	65	58.90	66.04
12	62.7	70	63.98	71.12
13	67.7	75	69.06	76.20
14	72.7	80	74.14	81.28
15	77.7	85	79.22	86.36
16	82.7	90	84.30	91.44

**Note:**

Only actuate COMBICON plug connectors when under no load condition. If for operating reasons small loads must be switched, experimental values are available on request.

**Dimensional drawing**