

Fichier:SmartDrive Dm Series Stepper Drive Datasheet 2.png

Current Switch Settings



Rotary Switch

Switch Setting	Peak Current With Boost ON (Amps)				
	DM28	DM55	DM75	DM110	DM165
0	0.875	1.75	0.5	3.5	5.25
1	1	2	1.0	4	6
2	1.125	2.25	1.5	4.5	6.75
3	1.25	2.5	2.0	5	7.5
4	1.375	2.75	2.5	5.5	8.25
5	1.5	3	3.0	6	9
6	1.625	3.25	3.5	6.5	9.75
7	1.75	3.5	4.0	7	10.5
8	1.875	3.75	4.5	7.5	11.25
9	2	4	5.0	8	12
A	2.125	4.25	5.5	8.5	12.75
B	2.25	4.5	6.0	9	13.5
C	2.375	4.75	6.5	9.5	14.25
D	2.5	5	7.0	10	15
E	2.625	5.25	7.5	10.5	15.75
F	2.75	5.5	8.0	11	16.5

Microstep Switch Settings



Microstep selector switches set to 3200 steps/rev

Resolution (Microsteps per step)	Steps/Rev (1.8deg/step motors)	SW1	SW2	SW3	SW4
2	400	OFF	OFF	OFF	OFF
4	800	ON	OFF	OFF	OFF
5	1000	OFF	OFF	OFF	ON
8	1600	OFF	ON	OFF	OFF
10	2000	ON	OFF	OFF	ON
16	3200	ON	ON	OFF	OFF
25	5000	OFF	ON	OFF	ON
32	6400	OFF	OFF	ON	OFF
50	10000	ON	ON	OFF	ON
64	12800	ON	OFF	ON	OFF
125	25000	OFF	OFF	ON	ON
128	25600	OFF	ON	ON	OFF
250	50000	ON	OFF	ON	ON
256	51200	ON	ON	ON	OFF
N/A	N/A	OFF	ON	ON	ON
N/A	N/A	ON	ON	ON	ON

Drive Connections



Pin	Function	Pin	Function
2c	Motor Winding 2A	2a	Motor Winding 2A
4c	Motor Winding 2B	4a	Motor Winding 2B
6c	Motor Winding 1A	6a	Motor Winding 1A
8c	Motor Winding 1B	8a	Motor Winding 1B
10c	N/C	10a	+V Logic Supply 18-30V
12c	+V Winding Supply 27-94V	12a	+V Winding Supply 27-94V
14c	+V Winding Supply 27-94V	14a	+V Winding Supply 27-94V
16c	0V Winding Supply	16a	0V Winding Supply
18c	Reset Input	18a	0V Winding Supply
20c	Fault Condition Output	20a	Fault Condition Output
22c	Phase (0) Output	22a	Phase (0) Output
24c	Sync. Output	24a	Boost Input
26c	N/C	26a	Direction Input
28c	Sync. Input	28a	Clock Input
30c	External Current Setting	30a	Energise Motor
32c	N/C Page 2	32a	0V (Logic Supply)

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