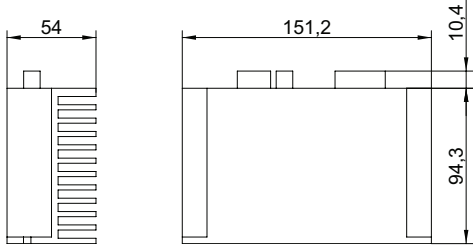


DSH-600 | STEPPING MOTOR DRIVER



DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION

DSH

-

NOMINAL CURRENT

Example: DSH-600

OPTIONS POWER SUPPLIES



STEPPING MOTOR DRIVER DATA			
Model		DSH-600	
Nominal current	A	6	
Max. current	A	7.2	
Weight	kg	0.6	
IP rating		IP20	
Operating temperature	°C	0 to 50	

SWITCH	DESCRIPTION	ON SETTING	OFF SETTING
SW4	Full and half current	Full current always	Half current when pulse time ≥ 200 ms
SW9	Pulse Smoothing	Smooth acceleration and deceleration	Regular acceleration and deceleration
SW10	N/A	N/A	N/A
SW11	Pulse filter	Enabled low pass filter ≤ 400 Hz	Enabled low pass filter ≤ 100 Hz
SW12	N/A	N/A	N/A
SW13	Pulse mode not supported	Always off	Always off
SW14	Self-test	Self-test mode ¹	Normal connection

PIN NAME	DEFINITION	FUNCTION
DIR-	Motor direction signal	CW rotational direction +5 V
DIR+	Motor direction Vcc	Enable direction control +5 V
PUL-	Pulse signal ²	High driver input clock pulses +5 V
PUL+	Pulse Vcc	Enable clock pulses +5 V
MF-	Motor enable signal	Enable rotation +5 V
MF+	Motor enable Vcc	Enable the enable operation +5 V
A- A+ B- B+	Motor phases connection	-
DC AC	Power supply	24 - 110 VDC polarity any
		18 - 80 VAC

CURRENT LIMIT SWITCH SETTINGS										
Nominal current	A	2	2.6	3.1	3.7	4.3	4.9	5.4	6	
Max. current	A	2.4	3.1	3.8	4.5	5.1	5.8	6.5	7.2	
SW1		ON	OFF	ON	OFF	ON	OFF	ON	OFF	
SW2		ON	ON	OFF	OFF	ON	ON	OFF	OFF	
SW3		ON	ON	ON	ON	OFF	OFF	OFF	OFF	

MICRO-STEP SWITCH SETTINGS															
Micro-step/step	2	4	8	16	32	64	128	5	10	20	25	40	50	100	200
PUL/REV	400	800	1.6K	3.2K	6.4K	13K	26K	1K	2K	4K	5K	8K	10K	20K	40K
SW5	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
SW6	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF
SW7	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
SW8	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

ALARM/PWR LED INDICATORS	
Green LED on	Motor disabled
Green LED flashes	Motor enabled
Red LED 2 flashes 3 seconds	Undervoltage
Red LED 3 flashes 3 seconds	Overvoltage
Red LED 4 flashes 3 seconds	Overcurrent

NOTES

1. Connect only driver and power to motor. Motor should run by internal pulses at 5 kHz.
2. Maximum pulse frequency 200 kHz.

DIAGRAM

