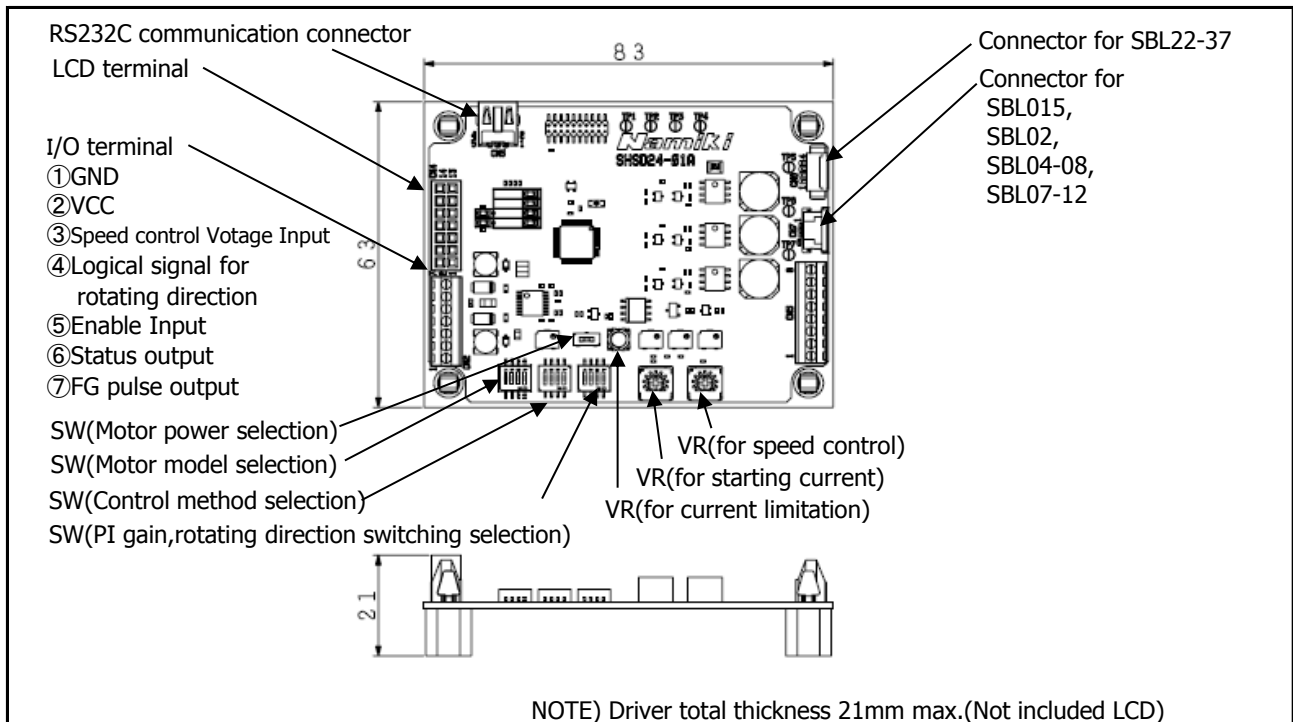


SHSD24-01A

Brushless motor drive circuit



For DC brushless motors SBL series

Description

SHSD24-01A is a 3-phase drive circuit designed to operate all Namiki's brushless motors.

There are three ways of control mode : I/O mode (Controlled by external signals),

VR mode (Controlled by on-board switches and potentiometers), PC mode (Controlled by RS232C communication of PC)

SHSD24-01A drives by the PWM control and includes the current limitation function(adjustable from 0A to 1A).

Drive status can be monitored by on-board LEDs and status output.

FG (Frequency Generator) output provides a pulse per motor revolution. It is possible to drive by sensorless and hall sensed drive.

Specifications	SHSD24-01A			
	Min.	Typ.	Max.	
Voltage supply	7.5	-	26.4	V
Consumption current	20	30	75	mA
Output voltage	3	-	26.4	V
Output current			1	A
Input rotating direction : CW (High or Open)	4.0		5	V
Input rotating direction : CCW (Low or GND)	0		1	V
Input DC Voltage (PWM-voltage adjustment)	0V(0%)		5V(Max)	V
Enable input : Enable (Low or GND)	0.0		1	V
Enable input : Disable (High or Open)	4		5	V
PWM carrier frequency	32		110	kHz
Status output / FG pulse output : Low level voltage	0.0		0.7	V
Status output / FG pulse output : High level voltage	4.5		5.5	V
Operating temperature range	0		50	°C
Weight	36.5			g

V02

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Specifications subject to change without notice