

SDRIVE

100 Series

VARIABLE SPEED DRIVE

SDRIVE 100 Series, most compact drive, with exclusive joystick parameter setting system, for A.C. 230V II motor control.

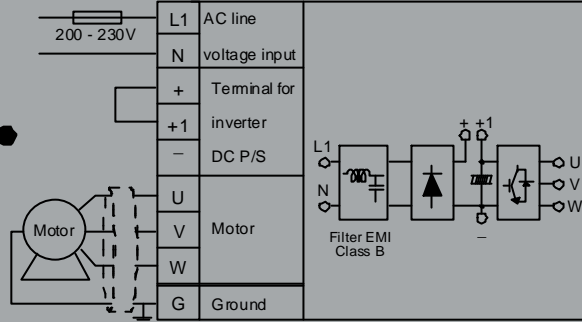
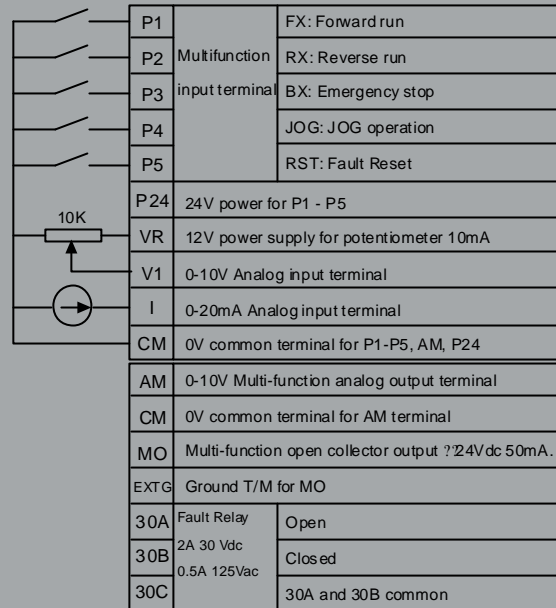
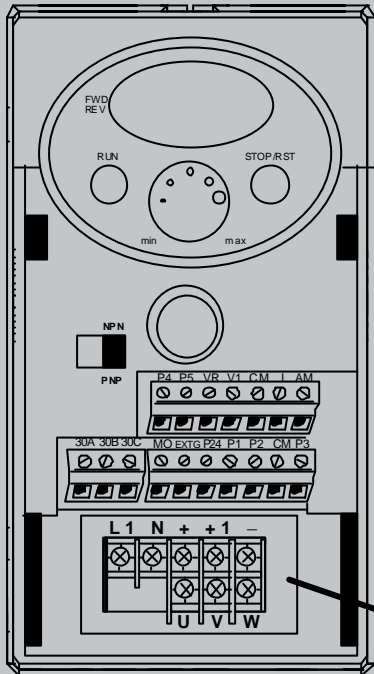


ELECTRICAL SPECIFICATIONS

Input	Voltage supply	200 to 230V/AC ± 10 single phase 0,4KW - 2,2KW.
	Input frequency	50 - 60 Hz. $\pm 5\%$
	Input power factor	> 0,98 (over fundamental frequency)
	Momentary power loss	< 15 mS (continuous operation). > 15 mS (autoreset).
Output	Motor output voltage	0 to input voltage
	Current overload capacity	150% during 60sec. 200% during 1 sec.
	Frequency range	0 to ± 400 Hz
	Efficiency (full load)	> 98%
	Modulation method	Vector space modulation
	Modulation frequency	15 kHz maximum
Environment conditions	Degree of protection	IP20
	Operation temperature	-10°C to 50°C
	Storage temperature	-20°C to +65°C
	Relative humidity	< 90%, no condensation
	Altitude	1000m
	Altitude loss factor (>1000m)	-1% per 100m; max. 3000m.
	Vibration	Max. 5.9m/sec ² (0.6G)
	Application site	Protected from corrosive gas, combustible gas, oil mist or dust.
Protections	Drive trip	Over-voltage. Under-voltage. Over-current. Ground fault current detection. Over-temperature of inverter and motor. Output phase open. Overload. Communication error. Loss of frequency command. H / W fault.
	Alarm condition	Stall prevention Overload
Control	Control method	V /Hz, Vector sensorless
	Analogue inputs	1 input 0 - 10Vcc and 1 input 0- 20mA
	Digital inputs	5 multifunction inputs
	Analogue outputs	1 output 0 - 10V
	Digital output	1 multifunction output, open collector.
	Relay output	1 fault relay 2A 30Vdc 0.5A 125Vac
	Communications port	RS485 and Modbus RTU protocol (as accessory)
	Operation features	PID control, 3-wire, up-down operation.
	Standards	CE, ISO9001 and ISO14000

* For more detailed specifications, refer to user manual.

CONTROL AND POWER WIRING



DIMENSIONS AND STANDARD RATINGS

REFERENCE	Dimensions			Weight (Kg)
	H	W	D	
SD1103	79	143	143	0.87
SD1103F	79	143	143	0.95
SD1105	79	143	143	0.89
SD1105F	79	143	143	0.97
SD1108	156	143	143	1.79
SD1108F	156	143	143	1.94
SD1112	156	143	143	1.85
SD1112F	156	143	143	2

REFERENCE	I (A)	KW	HP	V
SD1103	3	0,55	0,75	230II
SD1103F	3	0,55	0,75	230II
SD1105	5	1,1	1,5	230II
SD1105F	5	1,1	1,5	230II
SD1108	8	2,2	3	230II
SD1108F	8	2,2	3	230II
SD1112	12	3	4	230II
SD1112F	12	3	4	230II

* Filters RFI industrial environmental.

