

SD1 Series

General Purpose AC Variable Speed Drives

1 Phase 200/230V 50/60Hz **0.4~2.2kW** (0.5~3HP)

3 Phase 380/440V 50/60Hz **0.75~2.2kW** (1~3HP)



- Torque Vector Inverter
- DIN Rail mountable
- Built-in potentiometer
- Front mounted RJ45 Socket
- PID Control mode as standard
- Brake chopper built in
- DC Injection braking
- Motor Auto-Tuning
- HDI Input (pulse)
- 2 Analogue inputs
- 2 Analogue Outputs
- 2 C/O Output relays
- Transistor Output
- 4 Digital inputs
- PNP/NPN Selectable
- 2 year warranty
- RoHS, CE, TUV compliant
- UL/cUL Certified (exc. SD1-10A-21)
- Optional EMC filter



Options & Ordering Codes - SD1

SD1 - 2.5A - 21		
Nominal Power		
0.4kW	2.5A	Input 200-240V Single Phase
0.75kW	4.2A	
1.5kW	7.5A	
2.2kW	10A	

SD1 - 2.5A - 43		
Nominal Power		
0.75kW	2.5A	Input 380-440V Three Phase
1.5kW	4.2A	
2.2kW	5.5A	

Options & Ordering Codes - Filters & Accessories

	SD1	C3 Filter	Current	C2 Filter	Current
Single Phase 230V	SD1-2.5A-21	SD1-RFC3-25S	25A	RF29A-1A	29A
	SD1-4.2A-21	SD1-RFC3-25S	25A	RF29A-1A	29A
	SD1-7.5A-21	SD1-RFC3-25S	25A	RF29A-1A	29A
	SD1-10A-21	SD1-RFC3-25S	25A	RF29A-1A	29A
Three Phase 400V	SD1-2.5A-43	SD1-RFC3-6	6A	RF15A-4A	15A
	SD1-4.2A-43	SD1-RFC3-6	6A	RF15A-4A	15A
	SD1-5.5A-43	SD1-RFC3-6	6A	RF15A-4A	15A



SD1-KP

Accessories

SD1-KP	Remote Keypad
SD1-KP-CPY	Remote Keypad with Copy
SD1-KP-MB	Keypad Mounting Bracket

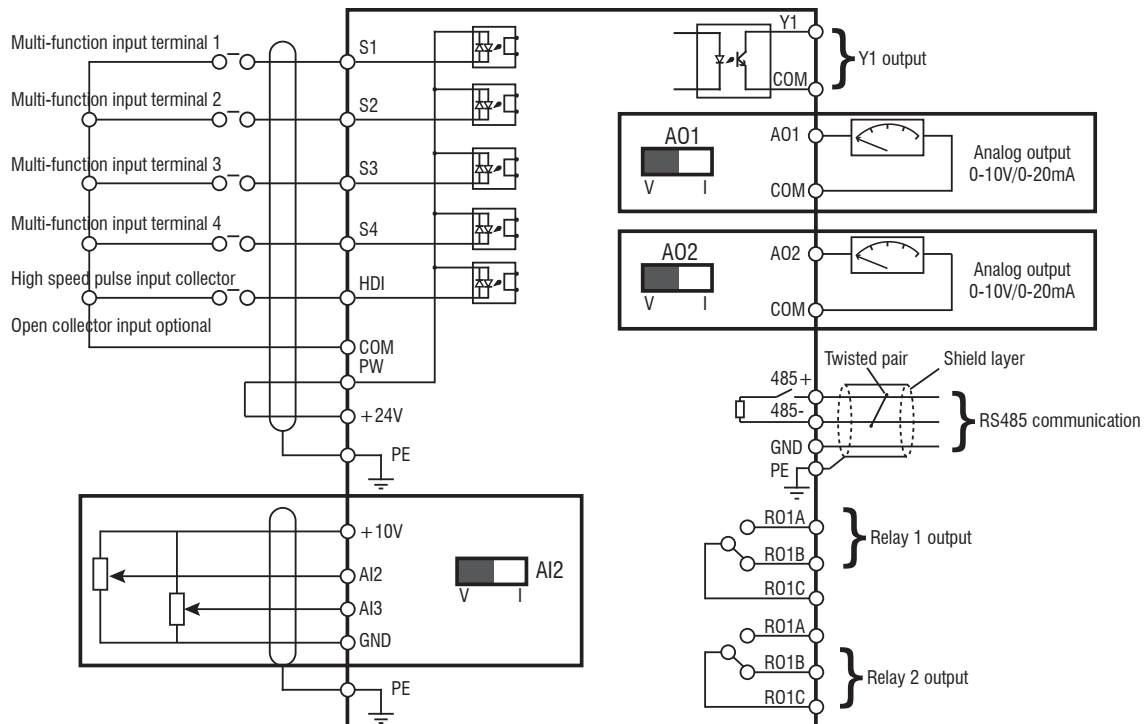
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Specifications

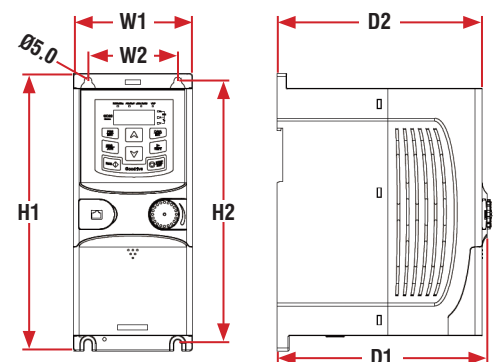
	Model	Output Power		Input Current (A)	Output Current (A)	MCCB/MCB (A)	Cables (mm ²)
Single-phase 230V	SD1-2.5A-21	0.4kW	0.5Hp	6.5	2.5	10	1.5
	SD1-4.2A-21	0.75kW	1.0Hp	9.3	4.2	20	1.5
	SD1-7.5A-21	1.5kW	2.0Hp	15.7	7.5	20	2.5
	SD1-10A-21	2.2kW	3.0Hp	24	10	20	2.5
Three-phase 400V	SD1-2.5A-43	0.75kW	1.0Hp	3.4	2.5	10	1.5
	SD1-4.2A-43	1.5kW	2.0Hp	5	4.2	10	1.5
	SD1-5.5A-43	2.2kW	3.0Hp	5.8	5.5	20	2.5

Power and Control Connections



Dimensions (mm)

	Model	W1	W2	H1	H2	D1	D2
Single-phase 230V	SD1-2.5A-21	80	60	160	150	123.5	120.3
	SD1-4.2A-21	80	60	160	150	123.5	120.3
	SD1-7.5A-21	80	60	185	175	140.5	137.3
	SD1-10A-21	80	60	185	175	140.5	137.3
Three-phase 400V	SD1-2.5A-43	80	60	185	175	140.5	137.3
	SD1-4.2A-43	80	60	185	175	140.5	137.3
	SD1-5.5A-43	80	60	185	175	140.5	137.3



Wall mounting dimensions (unit: mm)