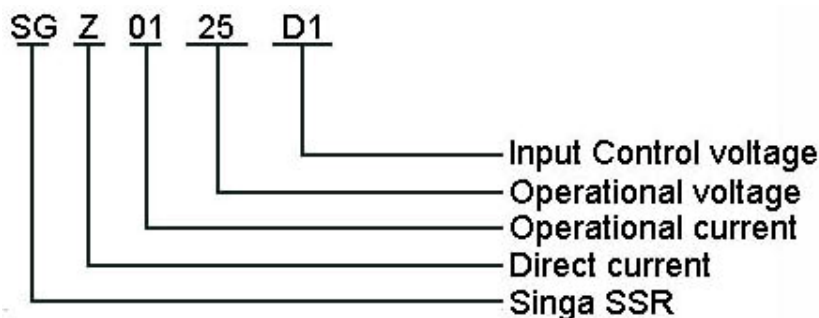


Series SGZ DC switching relay for PCB mounting is used in applications where there is a need for fast switching of small DC loads with a high input/output insulation of more than 2500 voltage.

The DC switching transistor relay always switches on and off in accordance with the applied control voltage.

- ▲ DC Solid State Relays for PCB mounting.
- ▲ Rated operational current: 1 to 3 Amps DC.
- ▲ 2500 Vrms Input/Output Isolation.
- ▲ Input range: 4 to 16 Vdc or 3 to 32 Vdc.

ORDERING KEY



TYPE SELECTION

Mounting type	M: Dual, Triac Output. MH: Dual, SCR Output.
Rated operational current	1: 1Amp, 1.5:1.5Amp,2: 2Amp.3:3Amp
Rated operational voltage	05: 50V_{AC},25: 440V_{AC}.
Switched mode	Z: Zero Voltage, R: Random Switching.
Input Control voltage	D1: DC 4~16V D3: 3V~32V

SELECTION GUIDE

Rated operational voltage	Control voltage	Operational current	
		1 Amp	3 Amp
50 V _{DC}	4 to 16 Vdc	SGZ0105D1	SGZ0305D1
	3 to 32 Vdc	SGZ0105D3	SGZ0305D3
250 V _{DC}	4 to 16 Vdc	SGZ0125D1	SGZ0325D1
	3 to 32 Vdc	SGZ0125D3	SGZ0325D3

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SPECIFICATION

PARAMETER-LIST ①	Units	Specification Limits			
		0105	0125	0305	0325
Input Parameter					
Control Voltage Range	Vdc	4 to16		3 to 32	
Input Current (Max.)@=5V/12	mAdc	4.3 /11.3		5/26	
Must Turn On Voltage	Vdc	4		3	
Must Turn Off Voltage	Vdc	1		1.5	
Reverse Voltage (Max.)	Vdc	32		32	
OUTPUT PARAMETER ②	Units	Specification Limits			
Load Current	Adc	1	1	3	3
Load Voltage Rating (Max.)	Vdc	3 to 50	3 to 250	3 to 50	3 to 250
Frequency Range	Hz	<100			
Off State Leakage Current (Max)	mAdc	1			
On State Voltage Drop (Max.)	Vdc	1	1.2	1.5	1.5
Turn On Time (Max.)	mSec	0.1			
Turn Off Time (Max.)	mSec	1			
GENERAL SPECIFICATIONS					
Dielectric (Input/Output)	Vrms	2500			
Capacitance	pf	10			
General Specifications					
Ambient temperature range: operating or Storage -30 to +80					
Case Color: Black					
Weight: (typical)	g	A :16	B:30		

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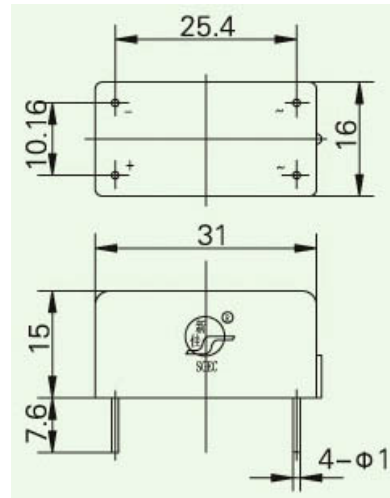
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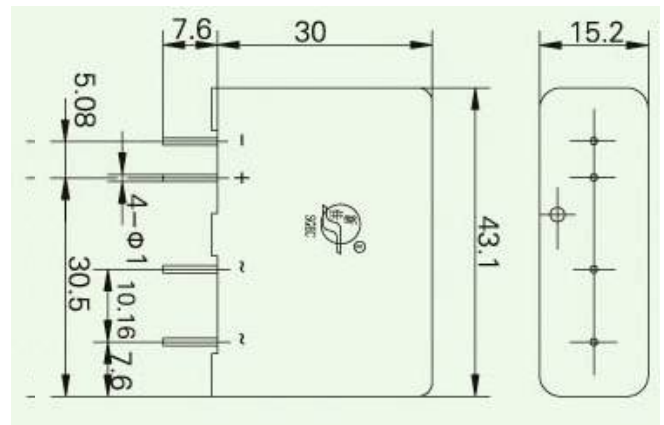
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Case A: LxWxH 31x16x15mm
Operational current 1A



Case B: LxWxH 43x15x30 mm
Operational current 3A



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