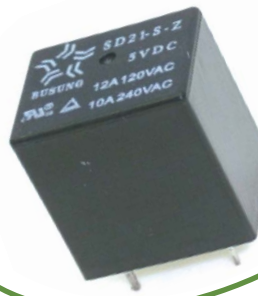


PC Board Relay SD21





ORDERING CODE

SD21 12VDC S H
 ① ② ③ ④

- ① Relay Model
- ② Coil Nominal Voltage 3, 5, 6, 9, 12, 18, 24, 48VDC
- ③ Sealed
- ④ Contact Form H: Form A, Z: Form C

APPROVED STANDARDS

Model	Coiling rating	Safety Standard	Contact rating
SD21	3 to 48VDC		1A: 12A 240VAC/15A 120VAC /TV5 120VAC
			1C: 10A 240VAC/12A 120VAC /TV5 120VAC
			1A: 15A 125VAC/12A 240VAC 1C: 15A 125VAC/10A 240VAC

COIL DATA

Nominal Voltage(VDC)	3	5	6	9	12	24	48	Coil Power
Coil Resistance(Ω)	25	69	100	225	400	1600	6400	
Rated Current(mA)	120	71.4	60	40	30	15	7.5	
Max Operate Voltage(VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage(VDC)	0.3	0.5	0.6	0.9	1.2	2.4	4.8	
Coil Resistance(Ω)	20	56	80	180	320	1280	5120	0.45W
Rated Current(mA)	150	90	75	50	37.5	18.7	9	
Max Operate Voltage(VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage(VDC)	0.3	0.5	0.6	0.9	1.2	2.4	4.8	
Max Applicable Voltage	70 °C, 130%, 23 °C, 170%							

CONTACT DATA

Contact Form	1H/1Z
Contact Material	Silver Alloy
Load	Resistive load(COS ϕ 1)
Contact Ratings	1A: 12A 240VAC 1C: 10A 240VAC
	15A 125VAC 12A 120VAC/24VDC
	15A 120VAC/24VDC 15A 125VAC
Minimum load	10mA 5VDC
Max Switching Voltage	250VAC/30VDC
Max Switching Current	15A
Max Switching Power	2770VA/240W
Contact Resistance	100m Ω Max at 6VDC 1A
Life Expectancy	Electrical : 100,000 Operations(at 30 Operations/minute)
	Mechanical : 10,000,000 Operations

GENERAL DATA

Insulation Resistance		100M Ω Min at 500VDC
Dielectric Strength Between Open Contacts		750VAC(for one minute)
Between Contacts and coil		1500VAC(for one minute)
Operate Time		10ms
Release Time		5ms
Temperature Range		-40 $^{\circ}$ Cto+85 $^{\circ}$ C(105 $^{\circ}$ C)
Shock Resistance	Operating Extremes	10G
	Damage Limits	100G
Vibration Resistance		10-55Hz, 1.5mm
Max. switching frequency	Mechanical	18,000operations/hr
	Electrical	1,800operations/hr
Humidity		40-85%
Weight		Approx 13g
Safety Standard		UL cUL TÜV

OVERALL AND MOUNTING DIMENSIONS

