

General Purpose Relay SJ-1



ORDERING CODE

SJ-1	12VDC	S	Z	① Relay Model
①	②	③	④	② Coil Nominal Voltage 5, 6, 9, 12, 24, 48, 110VDC
				③ S : Sealed
				④ H : Form A, Z : Form C, D: Form B
APPROVED STANDARDS				
Model	Coiling rating	Safety Standard	Contact rating	
SJ-1	3 to 110VDC		1A: 25A 240VAC/25A 28VDC 1B: 15A 240VAC/10A 28VDC 1C(NO): 20A 240VAC/20A 28VDC 1C(NC): 10A 240VAC/10A 28VDC	
	5 to 48VDC		NO: 25A 240VAC/15A 28VDC NC: 25A 240VAC/25A 28VDC	

COIL DATA

Nominal Voltage(VDC)	5	6	9	12	24	48	Coil Power
Coil Resistance(Ω)	27	39	87	155	620	2480	0.9W
Rated Current(mA)	186	155	103	77.5	39	19	
Max Operate Voltage(VDC)	3.75	4.5	6.75	9	18	36	
Min Release Voltage(VDC)	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/1D/1Z
Contact Material	Silver Alloy
Load	Resistive load(COS ϕ 1)
Contact Ratings	1A: 25A(30A) 240VAC/20A 28VDC 1B: 15A 240VAC/10A 28VDC 1C: 20A/10A 240VAC/28VDC
Minimum load	500mA 5VDC
Max Switching Voltage	250VAC/30VDC
Max Switching Current	30A
Max Switching Power	6000VA/560W
Contact Resistance	100m Ω Max at 6VDC 1A
Life Expectancy	Electrical : 100,000 Operations(at30 Operations/minute) Mechanical : 10,000,000 Operations

GENERAL DATA

Insulation Resistance		100M Ω Min at 500VDC
Dielectric Strength Between Open Contacts		1500VAC(1min 1mA)
Between Contacts and coil		1500VAC(1min 1mA)
Operate Time		15ms
Release Time		10ms
Temperature Range		-40 $^{\circ}$ Cto+70 $^{\circ}$ 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 36g
Safety Standard		UL, cUL, TÜV

OVERALL AND MOUNTING DIMENSIONS

