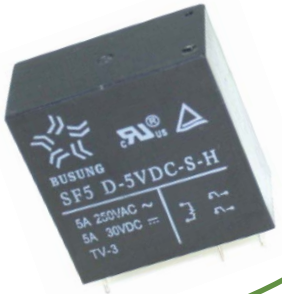
PC Board Relay SF5



ORDERING CODE

SF5	D	12VDC	S	2H
①	②	③	④	⑤

① Relay Model
② Coil PoWer D=0.54W, L=0.25W
③ Coil Nominal Voltage 3, 5, 6 ,9, 12, 24, 48VDC
④ Sealed
⑤ 2H : From 2A

APPROVED STANDARDS

Model	Coiling rating	Safety Standard	Contact rating
SF5	3 to 48VDC	TÜV	5A 250VAC/5A 30VDC
		cULus	5A 250VAC/5A 30VDC
			TV3 3A/120VAC

COIL DATA

Nominal Voltage(VDC)	3	5	6	9	12	24	48	Coil Power
Coil Resistance(Ω)	36	100	144	324	576	2304	9216	0.25W
Rated Current(mA)	83	50	42	28	21	10	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)	17	46	67	150	270	1050	4250	0.54W
Rated Current(mA)	180	108	90	60	45	22.5	11.3	
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 ApplicableVoltage	70℃, 130%, 23℃, 170%							

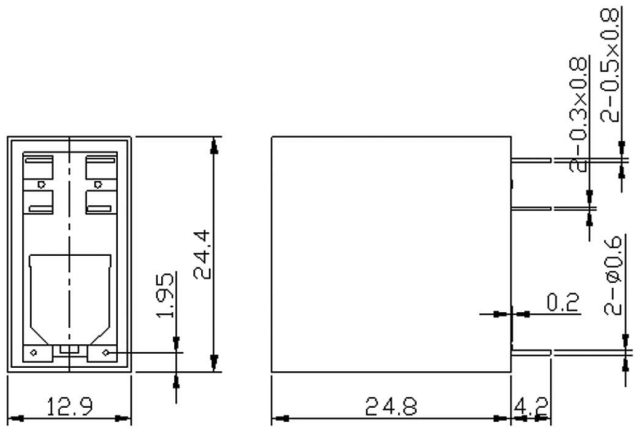
CONTACT DATA

Contact Form	2H
Contact Material	Silver Alloy
Load	Resistive load(COS φ1)
Contact Ratings	5A 250VAC/30VDC
	TV3(3A 120VAC)
Minimum load	100mA 5VDC
Max Switching Voltage	250VAC/30VDC
Max Switching Current	7A
Max Switching Power	1250VA/150W
Contact Resistance	100mΩMax at 6VDC 1A
Life Expectancy	Electrical : 100,000 Operations(at30 Operations/minute)
	Mechanical : 10,000,000 Operations

GENERAL DATA

Insulation Resistance		100MΩMin at 500VDC
Dielectric Strength Between Open Contacts		1000VAC(for one minute)
Between Contacts and coil		4000VAC(for one minute)
Operate Time		20ms
Release Time		10ms
Temperature Range		-40℃to+70℃
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		20-85%
Weight		Approx 13g
Safety Standard		UL cUL TÜV

OVERALL AND MOUNTING DIMENSIONS



PC BOARD PATTERN SCHEMATIC(Bottom View)