



Datasheet

SPST-NO PCB Mount Non-Latching Relay, 24V dc

RS Stock 476-551



Features

- 4.5kV dielectric strength (between coil and contacts)
- Heavy load up to 5000VA
- Ideal for motor switching
- Withstand inrush current of 80A
- PCB & QC layouts available
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (30.5 x 16.0 x 23.5) mm

CONTACT DATA				
Contact arrangement	1A			
Contact resistance	100mΩ (at 1A 6VDC)			
Contact material	AgSnO ₂ , AgCdO			
Contact rating	Resistive: 20A Motor, Inrush: 80A 0.3s (cosø=0.7) Break: 20A (cosø=0.9)			
Max. switching voltage	250VAC			
Max. switching current	Resistive: 25A Motor: 80A			
Max. switching power	6250VA			
Mechanical endurance	2 x 10 ⁶ ops			
Electrical endurance	1 x 10 ⁵ ops (See approval reports for more details)			
0011				

COIL			
Coil power			900mW

CO	COIL DATA at 23°C				
Nom Volt VE	age	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Allowable Voltage VDC	Coil Resistance Ω
	5	3.5	0.5	6.0	27.8 x (1±10%)
1	2	8.4	1.2	14.4	160 x (1±10%)
2	4	16.8	2.4	28.8	640 x (1±10%)
4	8	33.6	4.8	57.6	2560 x (1±10%)

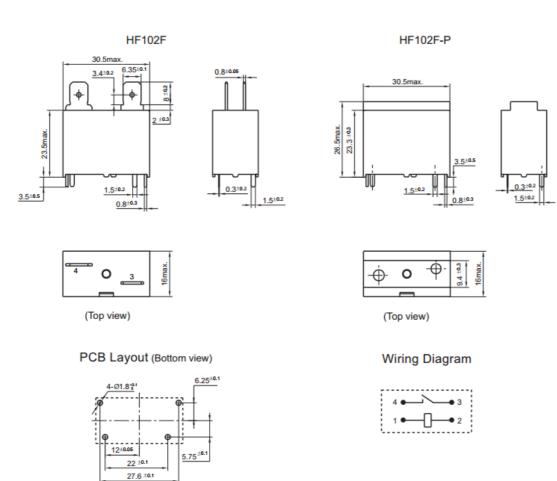
CHARACTERISTICS					
Insulation resistance		1000MΩ (at 500VDC)			
ctrongth		coil & contacts	4500VAC 1min		
		open contacts	1000VAC 1min		
Operate time (at nomi. volt.)		20ms max.			
Release time (at nomi. volt.)		10ms max.			
Temperature rise (at nomi. volt.)		60K max.			
Shock resistance	rietanco	Functional	196m/s ²		
	Destructive	980m/s			
Vibration resistance		10Hz to 55Hz 1.5mm DA			
Ambient temperature		-25°C to 70°C			
Humidity		85% RH, 40°C			
			HF102F: PCB & QC		
Termination	n		HF102F-P: PCB		
Unit weight		Approx. 23g			
Construction		Flux proofed			

SAFETY A	PPROVAL RATINGS		
UL&CUL		25A	250VAC
		20A	250VAC
		1HP	120VAC
		2HP	240VAC
ΤÜV		25A	250VAC
		20A	250VAC



ENGLISH

Dimensions: (mm)



CHARACTERISTIC CURVES

