



Datasheet

SPST-NO PCB Mount Non-Latching Relay, 12V dc

RS Stock 476-561



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)			

	(See approval reports for more details
COIL	
Coil power	900mW

COIL D	ATA			at 23°C	
Nominal Voltage VDC	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%)	
12	8.4	1.2	14.4	160 x (1±10%)	
24	16.8	2.4	28.8	640 x (1±10%)	
48	33.6	4.8	57.6	2560 x (1±10%)	

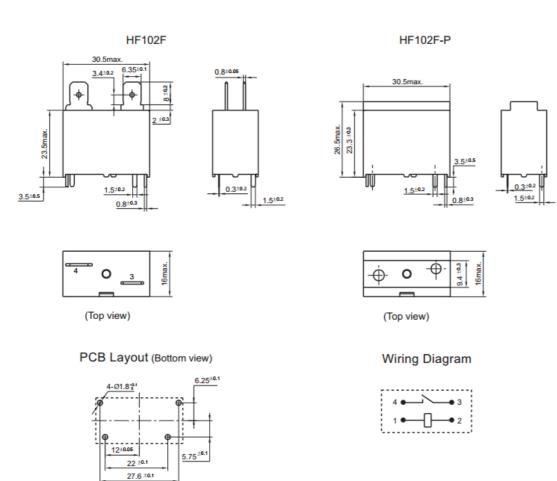
CHARACTERISTICS						
Insulation resistance		е	1000MΩ (at 500VDC)			
Dielectric	Between coil & contacts		4500VAC 1min			
strength	Between open contacts		1000VAC 1min			
Operate time (at nomi. volt.)		20ms max.				
Release time (at nomi. volt.)		10ms max.				
Temperature rise (at nomi. volt.)		60K max.				
Shock resistance		Functional	196m/s ²			
		Destructive	980m/s²			
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 weigh	it		Approx. 23g			
Constructi	on		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

