

Datasheet

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

RS Stock 476-735



Features

- Extremely low cost
- 2.5kV dielectric strength (between coil and contacts)
- Flammability class according to UL94, V-0
- CTI 250, VDE 0631 / 0700
- 1 From A and 1 From C configurations
- Subminiature, standard PCB layout
- Product in accordance to IEC 60335-1
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (19.0 x 15.2 x 15.5) mm

CONTACT DATA

Contact arrangement	1A	1C
Contact resistance	100mΩ (at 1A 6VDC)	
Contact material	AgSnO ₂ , AgNi	
Contact rating (Res. load)	10A 250VAC 10A 28VDC	NO: 10A 250VAC/28VDC NO/NC: 7A/3A 250VAC NO/NC: 5A/5A 250VAC
Max. switching voltage	277VAC/30VDC	
Max. switching current	15A	10A
Max. switching power	2770VA / 300W	
Mechanical endurance	1 x 10 ⁷ ops	
Electrical endurance	1 x 10 ⁵ ops	

COIL DATA

at 23°C

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Allowable Voltage VDC	Coil Resistance Ω
3	2.25	0.3	3.9	25 x (1±10%)
5	3.75	0.5	6.5	70 x (1±10%)
6	4.50	0.6	7.8	100 x (1±10%)
9	6.75	0.9	11.7	225 x (1±10%)
12	9.00	1.2	15.6	400 x (1±10%)
18	13.5	1.8	23.4	900 x (1±10%)
24	18.0	2.4	31.2	1600 x (1±10%)
48	36.0	4.8	62.4	6400 x (1±10%)

Characteristics

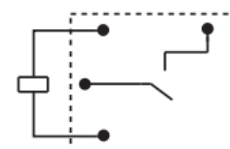
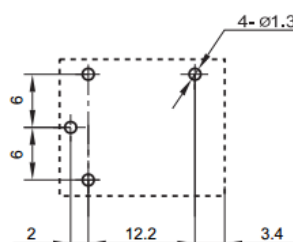
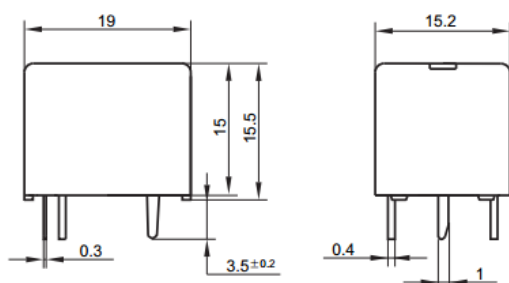
Insulation Resistance		100MΩ (at 500VDC)
Dielectric Strength	Between coil & contacts	2000VAC/2500VAC 1min
	Between open contacts	750VAC 1min
Operate Time (at nomi. Volt)		10ms max
Release Time (at nomi. Volt)		5ms max
Shock Resistance	Functional	98m/s ²
	Destructive	980m/s ²
Vibration Resistance		10Hz to 55Hz 1.5mm DA
Humidity		35% to 85% RH
Ambient Temperature		-40°C to 85°C
Termination		PCB
Unit Weight		Approx. 10g
Construction		Wash tight, Flux proofed

Outline Dimensions

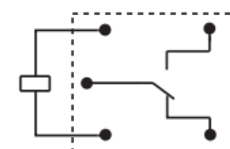
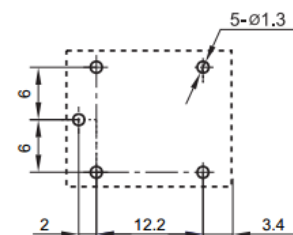
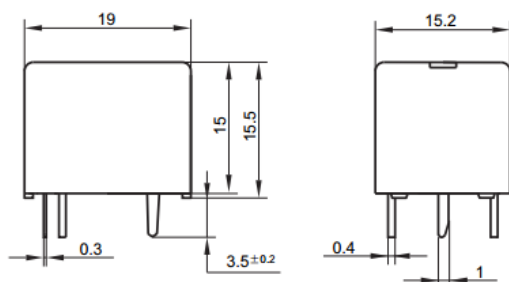
PCB Layout
(Bottom view)

Wiring Diagram
(Bottom view)

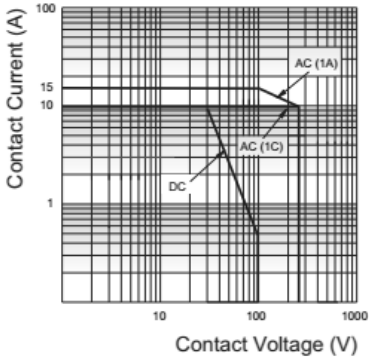
1 Form A



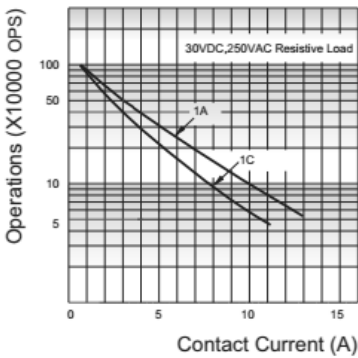
1 Form C



MAXIMUM SWITCHING POWER



ENDURANCE CURVE



COIL TEMPERATURE RISE

