

RoHS Compliant



16.9 x 14.5 x 19.5 mm

Features

- Low coil power consumption
- Switching current up to 20A with small size and light weight
- Suitable for household appliances, automotive applications

Contact Data*

Contact	1A & 1U = SPST N.O.	1 [Contact Resistance	< 30 milliohms initial
Arrangement	1C & 1W = SPDT		Contact Material	AgSnO ₂
Contact Rating	1A & 1C = 10A @ 120VAC, 28VDC & 20A @ 14VDC		Max Switching Power	1A & 1C : 280W
	1U & 1W = 2x10A @ 120VAC, 28VDC			1U & 1W : 2x280W
	= 2x20A @ 14VDC		Max Switching Voltage	380VAC, 75VDC
			Max Switching Current	20A

Coil Data*

	oltage DC	Coil Resistance Ω +/- 10%	Pick Up Voltage VDC (max) 70% of rated	Release Voltage VDC (min) 10% of rated	Coil Power W	Operate Time ms	Release Time ms
Rated	Max		voltage	voltage			
12	15.6	145	8.40	1.2	1.00	1.00 15	5
24	31.2	576	16.80	2.4	1.00		

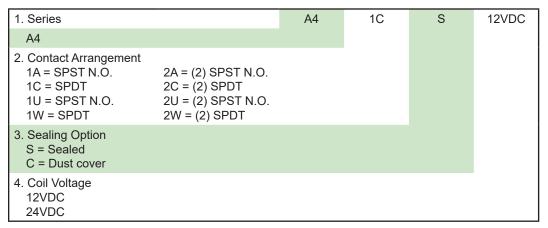
General Data*

Electrical Life @ rated load	100K cycles, average			
Mechanical Life	10M cycles, average			
Insulation Resistance	100M Ω min. @ 500VDC initial			
Dielectric Strength, Coil to Contact	1500V rms min. @ sea level initial			
Contact to Contact	750V rms min. @ sea level initial			
Shock Resistance	100m/s ² for 11 ms			
Vibration Resistance	1.27mm double amplitude 10~40Hz			
Terminal (Copper Alloy) Strength	10N			
Operating Temperature	-40°C to +85°C			
Storage Temperature	-40°C to +155°C			
Solderability	260°C for 5 s			
Weight	12g & 24g			

^{*} Values can change due to the switching frequency, desired reliability levels, environmental conditions and in-rush load levels. It is recommended to test actual load conditions for the application. It is the user's responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

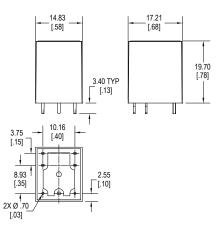


Ordering Information



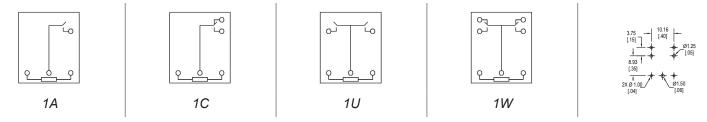
Dimensions





Schematics & PC Layouts

Bottom Views



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Dimensions shown in mm. Dimensions are shown for reference purposes only.