

RoHS Compliant

16.9 x 14.5 (29.7) x 19.5 mm

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

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

Coil Voltage VDC		Coil Resistance Ω +/- 10%	Pick Up Voltage VDC (max)	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms
Rated	Max		70% of rated voltage	10% of rated voltage			
3	3.9	9	2.10	.3	1.00	15	5
5	6.5	25	3.50	.5			
6	7.8	36	4.20	.6			
9	11.7	85	6.30	.9			
12	15.6	145	8.40	1.2			
18	23.4	342	12.60	1.8			
24	31.2	576	16.80	2.4			

Electrical Life @ rated load	100K cycles, typical
Mechanical Life	10M cycles, typical
Insulation Resistance	100M Ω min. @ 500VDC
Dielectric Strength, Coil to Contact Contact to Contact	1500V rms min. @ sea level 750V rms min. @ sea level
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

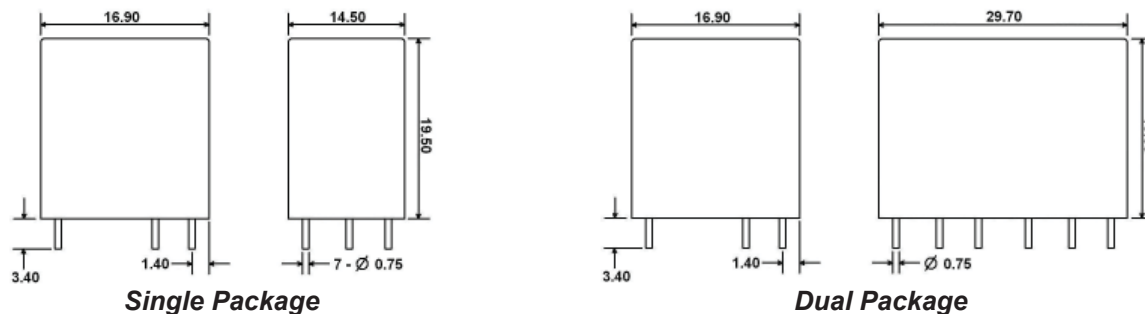
1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

Ordering Information

1. Series	A4	1C	S	12VDC
2. Contact Arrangement				
1A = SPST N.O.				
1C = SPDT				
1U = SPST N.O.				
1W = SPDT				
2A = (2) SPST N.O.				
2C = (2) SPDT				
2U = (2) SPST N.O.				
2W = (2) SPDT				
3. Sealing Option				
S = Sealed				
C = Dust cover				
4. Coil Voltage				
3VDC				
5VDC				
6VDC				
9VDC				
12VDC				
18VDC				
24VDC				

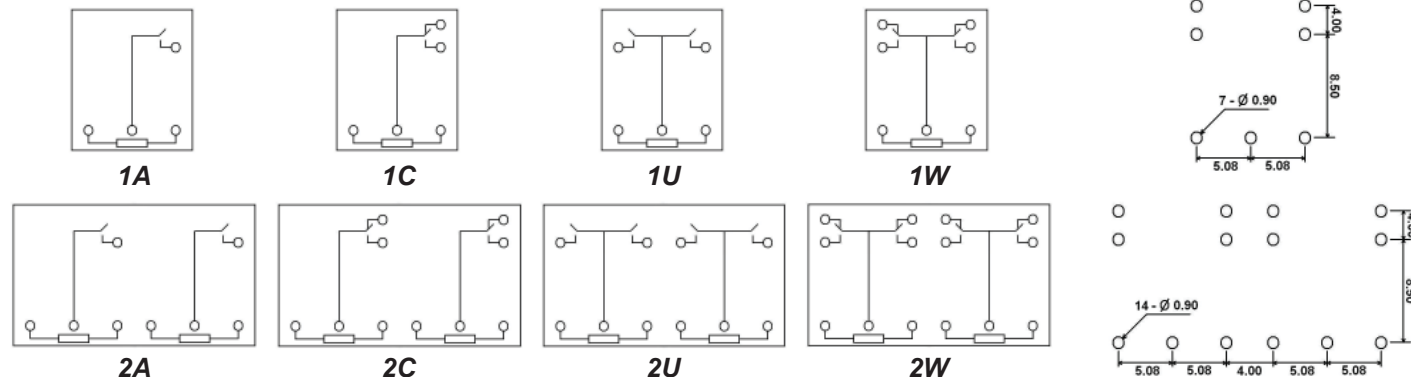
Dimensions

Units = mm



Schematics & PC Layouts

Bottom Views



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

Specifications and availability subject to change without notice.