



RoHS Compliant

16.9 x 14.5 (29.7) 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
- Dual relay available

Contact Data

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	
	2C & 2W = (2) SPDT		1U & 1W : 2x280W	
Contact Rating	1A & 1C = 10A @ 120VAC, 28VDC & 20A @ 14VDC	Max Switching Voltage	380VAC, 75VDC	
	2A & 2C = 10A @ 120VAC, 28VDC & 20A @ 14VDC		Max Switching Current	20A
	1U & 1W = 2x10A @ 120VAC, 28VDC			
	= 2x20A @ 14VDC			
	2U & 2W = 2x10A @ 120VAC, 28VDC			
	= 2x20A @ 14VDC			

Coil Data

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			

General Data

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

Caution

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

Specifications and availability subject to change without notice.

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

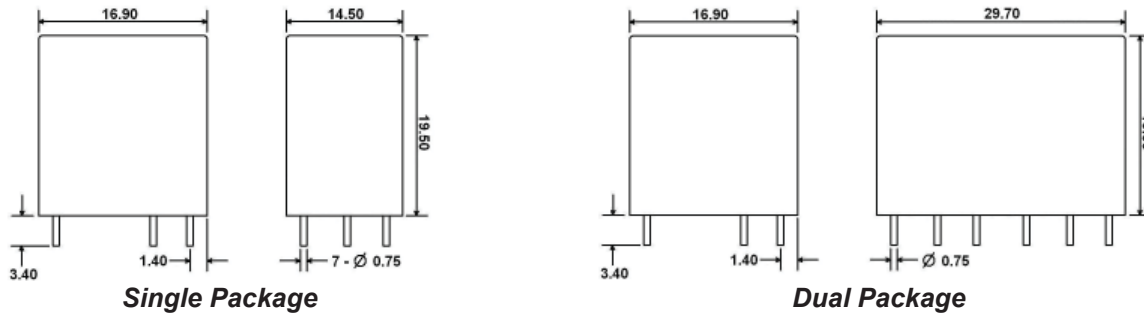
A4

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			

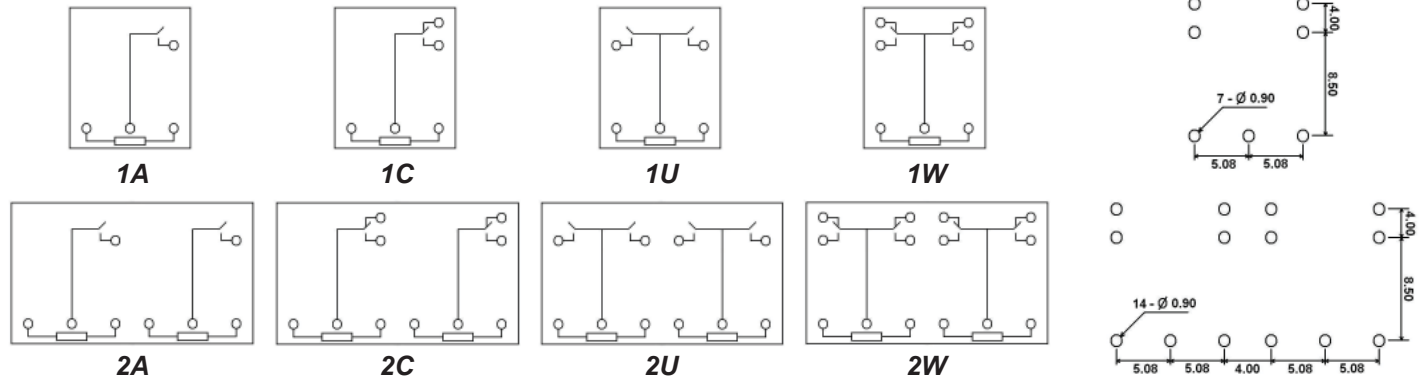
Dimensions

Units = mm



Schematics & PC Layouts

Bottom Views



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