



RoHS Compliant

12.0 (23.8) x 12.9 x 9.9 mm

## Features

- Switching capacity up to 30A
- Dual relay available
- Withstands high temperature : 105°C operating temperature
- PC pin mounting available
- Ultra light weight : 4g

## Contact Data

Contact Arrangement	1A = SPST N.O. 1C = SPDT 2A = (2) SPST N.O. 2C = (2) SPDT	Contact Resistance	< 30 milliohms initial
Contact Rating	1A : 25A, 30A @ 14VDC 1C : 25A, 30A @ 14VDC N.O. : 20A, 25A @ 14VDC N.C. 2A : 25A, 30A @ 14VDC 2C : 25A, 30A @ 14VDC N.O. : 20A, 25A @ 14VDC N.C.	Contact Material	AgSnO <sub>2</sub>
		Max Switching Power	420W
		Max Switching Voltage	28VDC
		Max Switching Current	40A On, 30A Off (current flow 3 sec max with make/ break ratio of 1:10)
		Limiting Continuous Current	NO/NC : 30A/25A @ 23°C NO/NC : 25A/20A @ 85°C

## Coil Data

Coil Voltage VDC		Coil Resistance Ω +/- 10%	Pick Up Voltage VDC (max) 70% of rated voltage	Release Voltage VDC (min) 10% of rated voltage	Coil Power W	Operate Time ms	Release Time ms
Rated	Max						
10	12.0	182	7.00	1.0	.55	3	1.5
12	14.4	253	8.40	1.2			

## 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 Contact to Contact	500V rms min. @ sea level 500V rms min. @ sea level
Shock Resistance	300m/s <sup>2</sup> for 6 ms
Vibration Resistance	1.27mm double amplitude 10~40Hz
Terminal (Copper Alloy) Strength	10N
Operating Temperature	-40°C to +105°C
Storage Temperature	-40°C to +155°C
Solderability	260°C for 5 s
Weight	4g, 8g

### 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.

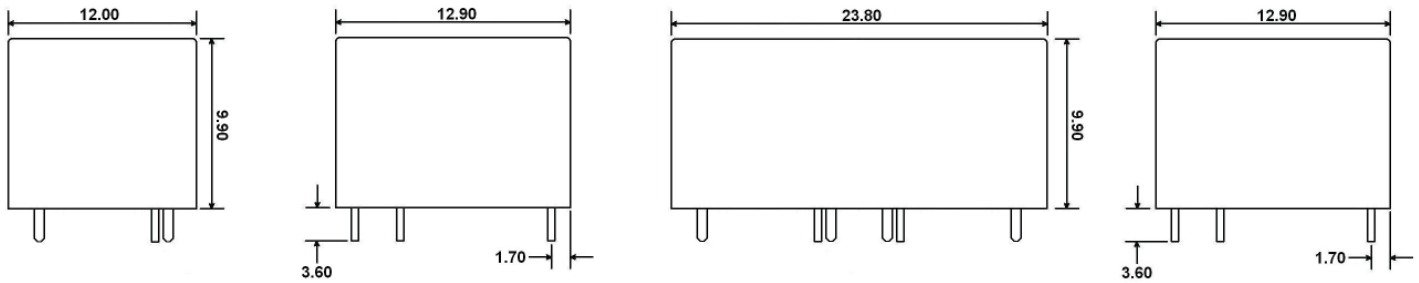
# A10

## Ordering Information

1. Series	A10	1C	S	12VDC
2. Contact Arrangement	1A = SPST N.O. 1C = SPDT 2A = (2) SPST N.O. 2C = (2) SPDT			
3. Sealing Option	S = Sealed			
5. Coil Voltage	10VDC 12VDC			

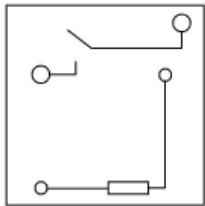
## Dimensions

Units = mm

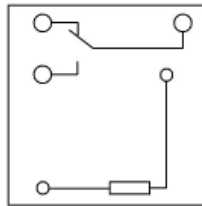


## Schematics & PC Layouts

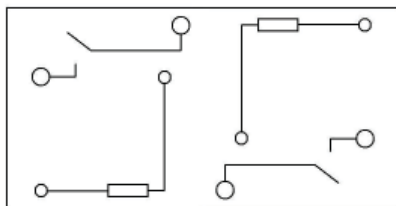
Bottom Views



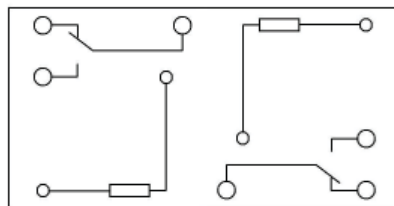
1A



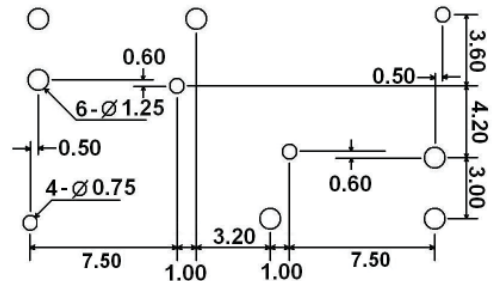
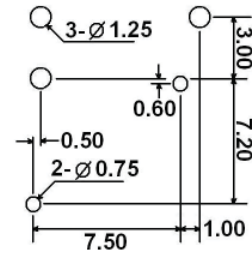
1C



2A



2C



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