



RoHS Compliant

A5

25.8 x 20.5 x 20.8 mm

Features

- Switch capacity up to 40A @ 14VDC
- Small size and light weight
- PCB pin mounting available
- Suitable for automobile and lamp accessories
- Two footprint styles available
- American & European PC layout styles available

Contact Data

Contact Arrangement	1A = SPST N.O. 1B = SPST N.C. 1C = SPDT	Contact Resistance	< 50 milliohms initial
Contact Rating	1A : 40A @ 14VDC, 20A @ 120VAC, 15A @ 28VDC 1B : 30A @ 14VDC, 20A @ 120VAC, 15A @ 28VDC 1C : 40A @ 14VDC N.O.; 30A @ 14VDC N.C. : 20A@120VAC, 15A @ 28VDC	Contact Material	AgSnO ₂
		Max Switching Power	360W
		Max Switching Voltage	75VDC, 380VAC
		Max Switching Current	40A

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	1.6W	1.9W	70% of rated voltage	10% of rated voltage			
6	7.8	22.5	19.0	4.20	.6	1.60 or 1.90	5	3
9	11.7	50.6	42.6	6.30	.9			
12	15.6	90.0	75.8	8.40	1.2			
18	23.4	202.5	170.5	12.60	1.8			
24	31.2	360.0	303.2	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	750V rms min. @ sea level
Contact to Contact	500V rms min. @ sea level
Shock Resistance	200m/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	19g open, 21g covered

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

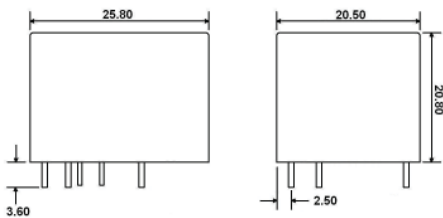
A5

Ordering Information

1. Series	A5	1A	S	12VDC	1.6	U
2. Contact Arrangement	1A = SPST N.O. 1B = SPST N.C. 1C = SPDT					
3. Sealing Option	O = Open frame S = Sealed Standard PC layout E = Sealed European PC layout *CE marking on relay					
4. Coil Voltage	6VDC 9VDC 12VDC 18VDC 24VDC					
5. Coil Power	1.6 = 1.6W 1.9 = 1.9W					
6. Contact Material	Blank = AgSnO ₂ U = AgSnO ₂ In ₂ O ₃					

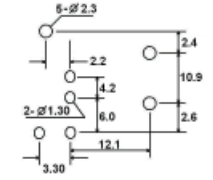
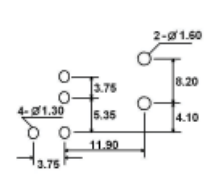
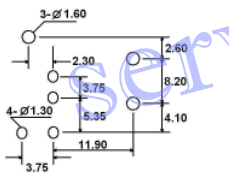
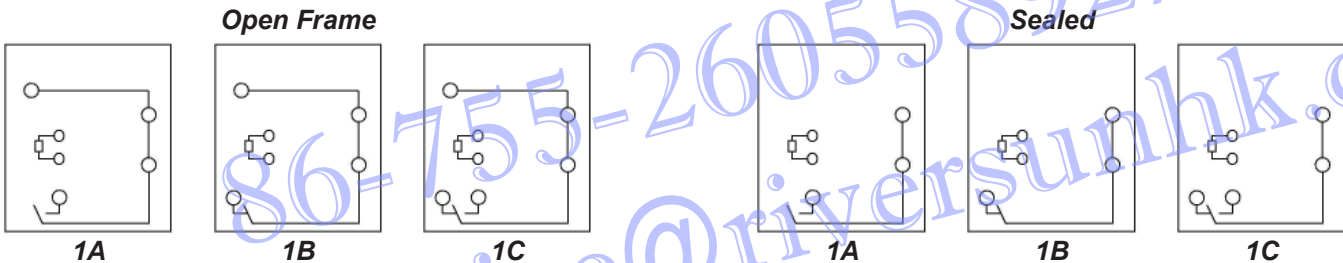
Dimensions

Units = mm



Schematics & PC Layouts

Bottom Views



S = Standard

E = European

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

Specifications and availability subject to change without notice.