



28.5 x 28.5 x 26.5 (40.0) mm

Features

- Large switching capacity up to 80A
- PCB pin and quick connect mounting available
- Suitable for automobile and lamp accessories
- QS-9000, ISO-9002 Certified Manufacturing

Contact Data

Contact	1	1A = SPST N.O.		
Arrangement		1B = SPST N.C.		
		1C = SPDT		
		1U = SPST N.O. (2 terminals)		
Contact Rating		Standard	Heavy Duty	
	1A	60A @ 14VDC	80A @ 14VDC	
	1B	40A @ 14VDC	70A @ 14VDC	
	1C	60A @ 14VDC N.O.	80A @ 14VDC N.O.	
		40A @ 14VDC N.C.	70A @ 14VDC N.C.	
	1U	2x25A @ 14VDC	2x25@ 14VDC	

Contact Resistance	< 30 milliohms initial		
Contact Material	AgSnO ₂ In ₂ O ₃		
Max Switching Power	1120W		
Max Switching Voltage	75VDC		
Max Switching Current	80A		

Coil Data

	oltage OC	Coil Resistance Ω +/- 10%	Pick Up Voltage VDC (max)	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms
			70% of rated	10% of rated			
Rated	Max	1.8W	voltage	voltage			
6	7.8	20	4.20	.6			
12	15.6	80	8.40	1.2	1.00	7	_
24	31.2	320	16.80	2.4	1.80	<i>'</i>	5
48	62.4	1280	31.20	4.8			

page 82

General Data

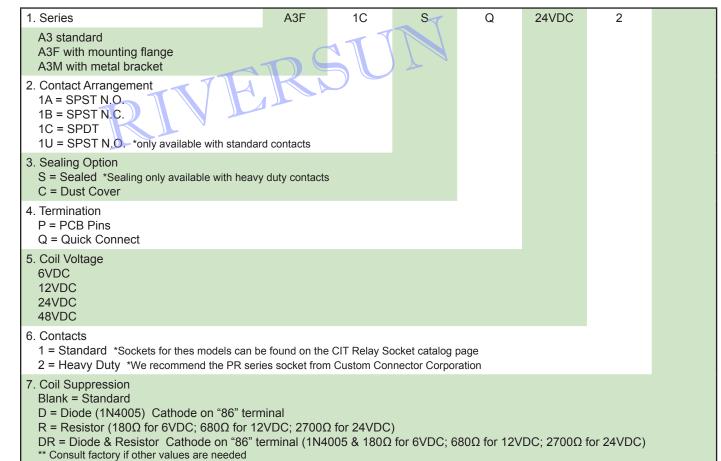
Electrical Life @ rated load	100K cycles, typical		
Mechanical Life	10M cycles, typical		
Insulation Resistance	100M Ω min. @ 500VDC		
Dielectric Strength, Coil to Contact	500V rms min. @ sea level		
Contact to Contact	500V rms min. @ sea level		
Initial Voltage Drop Across Contacts	200mV max		
Shock Resistance	147m/s ² for 11 ms		
Vibration Resistance	1.5mm double amplitude 10~40Hz		
Terminal (Copper Alloy) Strength	8N (quick connect), 4N (PCB pins)		
Operating Temperature	-40°C to +125°C		
Storage Temperature	-40°C to +155°C		
Solderability	260°C for 5 s		
Weight	46g		

Caution

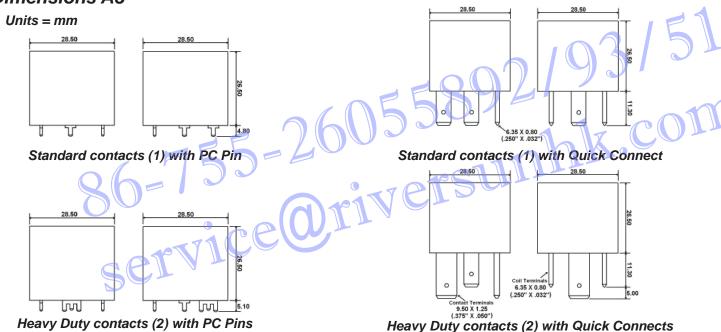
 The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay. Dimensions shown in mm. Dimensions are shown for reference purposes only.

Specifications and availability subject to change without notice.

Ordering Information

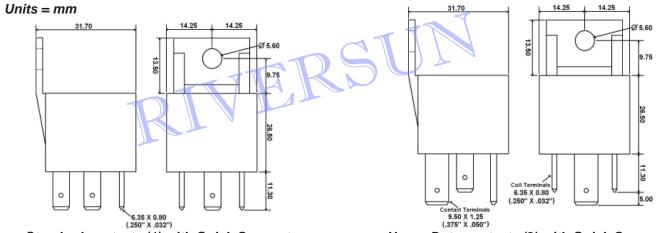








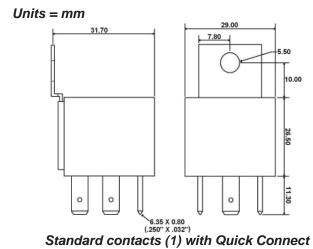
Dimensions A3F

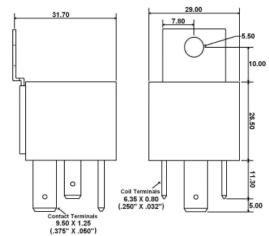


Standard contacts (1) with Quick Connect

Heavy Duty contacts (2) with Quick Connects

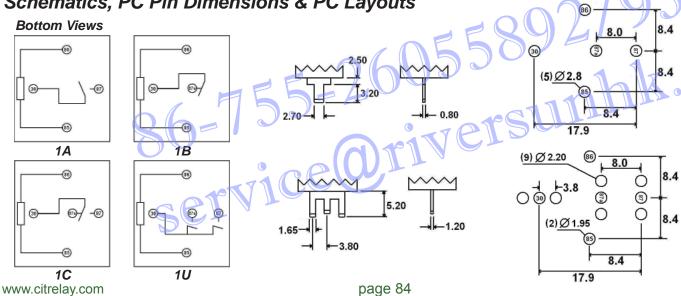
Dimensions A3M





Heavy Duty contacts (2) with Quick Connects

Schematics, PC Pin Dimensions & PC Layouts



phone - 763.535.2339 fax - 763.535.2194 Specifications and availability subject to change without notice

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