32.6 x 34.6 x 34.0 mm

Features

- Large switching capacity up to 100A
- Ideal for high inrush applications
- Quick connect mounting available
- Suitable for automobile and lamp accessories
- QS-9000, ISO-9002 Certified Manufacturing

Contact Data

p.	-	
Contact Arrangement	1A = SPST N.O.	
	1C = SPDT	
Contact Rating	1A: 100A@ 12VDC	
	: 50A @ 24VDC	
	1C : N.O. 100A @ 12VDC	
	: N.O. 50A @ 24VDC	
	: N.C. 70A @ 12VDC	
	: N.C. 35A @ 24VDC	

Contact Resistance	< 30 milliohms initial		
Contact Material	AgSnO ₂ In ₂ O ₃		
Maximum Switching Power	1200W		
Maximum Switching Voltage	75VDC		
Maximum Switching Current	100A		

Coil Data

Coil Voltage Coil Resistance VDC Ω +/- 10%		Pick Up Voltage VDC (max) 70% of rated	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms	
Rated	Max		voltage	voltage			
12	15.6	50	8.40	1.2	2.90	10	5
24	31.2	155	16.80	2.4	2.90	10	5

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	2500V rms min. @ sea level		
Contact to Contact	1500V rms min. @ sea level		
Shock Resistance	147m/s ² for 11 ms		
Vibration Resistance	1.50mm double amplitude 10~40Hz		
Terminal (Copper Alloy) Strength	30N		
Operating Temperature	-40°C to +85°C		
Storage Temperature	-40°C to +155°C		
Solderability	260°C for 5 s		
Weight	60g		

Caution

- 1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.
- 2. For Dry Circuit application contact factory
- 3. The coil has a 1K ohm resistor in parallel that is taken into account in the coil resistance specification

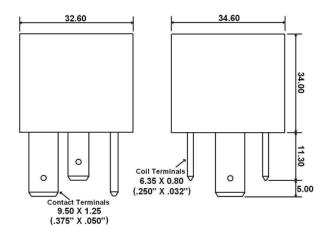


Ordering Information

1. Series A14 С Q 12VDC 1C A14 2. Contact Arrangement 1A = SPST N.O. 1C = SPDT 3. Sealing Option C = Dust Cover 4. Termination Options Q = Quick Connect 5. Coil Voltage 12VDC 24VDC 6. Coil Suppression Blank = 680Ω for 12VDC; 2700Ω for 24VDCD = Diode (1N4005) 2D = 2 Diodes (1N4005) **Consult factory if other values are needed

Dimensions

Units = mm



** We recommend the PR Series socket from Custom Connector Corporation

Schematics

Bottom Views

