

Features:

- 20A switching capability
- Subminiature Relay
- 1 Form A contactavailable

Typical Applications:

- Headlamps controls
- Pump control
- Automobile horn control
- A/C compression clutch control

Contact Data	
Contact arrangement	1 Form A
Contact material	silver alloy
Contact voltage drop	200mv/at 10A(max)
Contact load	

	Load type		Contact current (A)	Electrical	
Contact voltage			1A	endurance	
rottage			NO	(OPS)	
14VDC	resistive	on	20	1 105	
		off	20	1×10⁵	
	general	on	40	1.5×10⁵	
		off	20	1.5×10	
	lamp load	on	100	1.5×10⁵	
		off	20	1.5×10	

Note:coil voltage 12VDC, frequency 2s on:2s off, room temperature

Max. Contact Voltage	14VDC
Max. Contact Current	100A
Operate time (at nominal volt.)	≤10ms
Release time (at nominal volt.)	≤10ms

Coil Data

Nominal	Nominal	Coil		Equivalent		Release	Max. Allowable	Nominal
Voltage	Current	Resistance	Resistance	Resistance	vollage	Voltage	Voltage	Operating Power
(VDC)	±10% (A)	±10% (Ω)	(Ω)	(Ω)	(VDC)	(VDC)	(VDC)	(W)
12	0.08	151			≤7.2	≥1.2	15.6	0.95
12	0.091	151	1000	131	≤7.2	≥1.2	15.6	1.1

Note: To prevent overheating and burnout, the coil should not be continuously subjected to a voltage greater than the maximum allowable voltage.



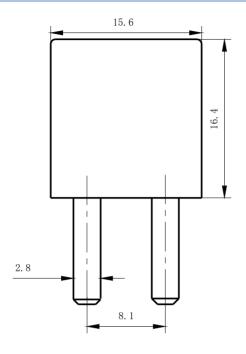
Insulating Data	
Insulation resistance	100MΩ (500VDC)
Dielectric strength	
Between open contacts	500VAC, 50/60Hz 1min.
Between coil and contact	500VAC, 50/60Hz 1min.

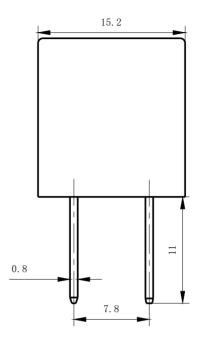
Other Data			
Shock resistance	Functional Destructive	20G 100G	
Vibration resistance	10Hz to 500Hz 5G		
Mechanical endurance		1×10 ⁶ ops	
Ambient temperature	-40	℃ to +125℃	
Humidity	5%	6 to 85%RH	
Weight	A	pprox.10g	

Note: The above parameters are initial values

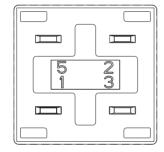


Dimensions





Wiring diagram (bottom view)



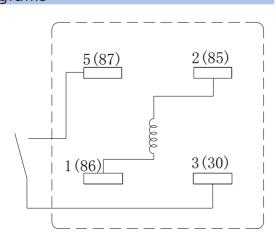
Unless otherwise specified:

If dimension < 1mm, tolerance: ±0.2mm; If dimension1~5mm, tolerance: ±0.3mm; If dimension > 5mm, tolerance: ±0.4mm;

Note:

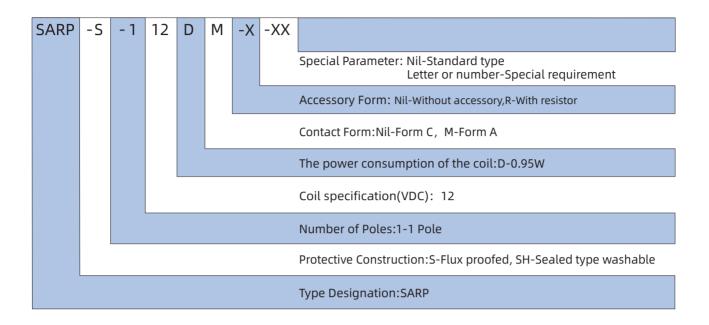
- 1.Extended terminal dimension is dimension before soldering
- 2.Tolerance of mounting holes:±0.1mm

Wiring Diagrams





Product Code Structure



Disclaimer:

This product specification is for reference only, subject to change without prior notice.

We could not evaluate all test conditions for every possible application, thus customers should be in a right position to choose suitable products for their own application. If in doubt, please contact Sanyou for more technical support. However, it's the customer's responsibility to determine which product should be used.