



973(T73)

19*15*15.5mm



Product Features

- ◆ Subminiature, heavy load capacity
- ◆ Low coil power consumption
- ◆ Welded on PCB directly
- ◆ Fit for occasions with high surge current, such on household appliances, automatic systems, electronic equipments, meters, communication devices, remote control systems, etc.

Designation

973 — **24VDC** — **SL** — **A**

1 2 3 4

1 Model No.:973	2 Coil Rated Voltage(V):3,5,6,9,12,18,24,36,48
3 Package:SL-Sealed None-Dust-proof	4 Contact Form:A:1A; B:1B; C:1C

Contact Rating

Contact Form	1A(1H) (SPSTNO)、1B(1D) (SPSTNC)、1C(1Z) (SPDT(B-M))		
Contact Material	AgCdO AgSnO ₂		
Contact Load Capacity	7A 240VAC;10A 250VAC;10A 277VAC,24VDC;12A 250VAC,15A 125VAC,250VAC		
Switching Power Max.	360W 3750VA		
Switching Voltage Max.	110VDC 380VAC	Switching Current Max.:20A	
Contact Resistance Max.	≤100mΩ	IEC 61810-7	
Life expectancy	Electrical	10 ⁵	IEC 61810-7
	Machanical	10 ⁷	IEC 61810-7

Coil Rating

No.	Coil Voltage(VDC)		Coil Resistance Ω±10%	Pick up (VDC) Max. (75% of Rated Voltage)	Drop out (VDC) Min.(10% of Rated Voltage)	Power (W)	Operate Time (ms)	Release Time (ms)
	Rated	Max.						
1	3	3.9	25	2.25	0.3	0.36	≤10	≤5
2	5	6.5	69	3.75	0.5			
3	6	7.8	100	4.50	0.6			
4	9	11.7	225	6.75	0.9			
5	12	15.6	400	9.0	1.2			
6	18	23.4	900	13.5	1.8			
7	24	31.2	1600	18.0	2.4			
8	36	46.8	3600	27.0	3.6			
9	48	62.4	6400	36.0	4.8			

Note:1.Realys will be damaged if coil voltage lower than rated voltage.

2.The voltage of pick up and drop out is only for inspection, not for application.

No.	Coil Voltage(VDC)		Coil Resistance $\Omega \pm 10\%$	Pick up (VDC) Max. (75% of Rated Voltage)	Drop out (VDC) Min.(10% of Rated Voltage)	Power (W)	Operate Time (ms)	Release Time (ms)
	Rated	Max.						
1	3	3.9	20	2.25	0.3	0.45	≤ 10	≤ 5
2	5	6.5	56	3.75	0.5			
3	6	7.8	80	4.50	0.6			
4	9	11.7	180	6.75	0.9			
5	12	15.6	320	9.0	1.2			
6	24	31.2	1280	18.0	2.4			
7	36	46.8	2880	27.0	3.6			
8	48	62.4	5120	36.0	4.8			

No.	Coil Voltage(VDC)		Coil Resistance $\Omega \pm 10\%$	Pick up (VDC) Max. (57.5% of Rated Voltage)	Drop out (VDC) Min.(15% of Rated Voltage)	Power (W)	Operate Time (ms)	Release Time (ms)
	Rated	Max.						
1	6	7.8	45	3.4	0.9	0.8	≤ 10	≤ 5
2	9	11.7	100	5.2	1.35			
3	12	15.6	180	6.90	1.8			
4	24	31.2	720	13.8	3.6			

Note:1.Realys will be damaged if coil voltage lower than rated voltage.

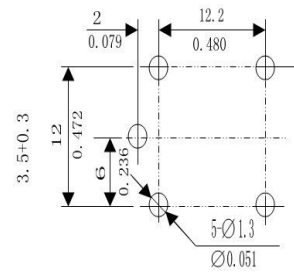
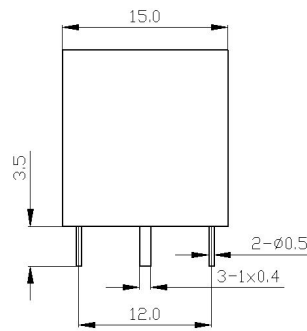
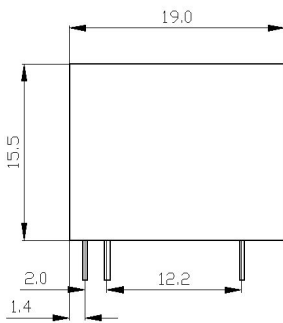
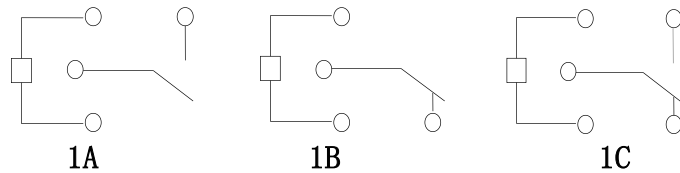
2.The voltage of pick up and drop out is only for inspection, not for application.

Technical Rating		
Insulation Resistance	Min.100M Ω (500VDC)	IEC 60255-5
Dielectric Strength		
Between Contacts	50/60Hz 750V (Max.1000V when required)	IEC 60255-5
Between Coil&Contact	50/60Hz 1500V (Max.2000V when required)	IEC 60255-5
Shock Resistance	100m/s ² 11ms	IEC 68-2-27 test Ea
Vibration Resistance	10Hz~55Hz amplitude 1.5mm	IEC 68-2-6 test Fc
Leading-out Terminal Strength	5N	IEC 68-2-21 test Ua1
Weldability	235 $^{\circ}$ C \pm 2 $^{\circ}$ C 3s \pm 0.5s	IEC 68-2-20 test Ta way1
Ambient Temperature	- 40 $^{\circ}$ C~85 $^{\circ}$ C; - 40 $^{\circ}$ C~105 $^{\circ}$ C	
Relative Humidity	93%(40 $^{\circ}$ C)	IEC 68-2-3 test Ca
Weight	Approx.9.0g	

Safety Certification			
Approval	CQC	UL	TUV
Load	10A/250VAC 7A/250VAC	10A/277VAC 10A/240VAC 15A/125VAC 10A/24VDC 15A/24VDC 1/2HP/125VAC	10A/250VAC 7A/240VAC 10A/125VAC 7A/24VDC 12A/250VAC 15A/250VAC

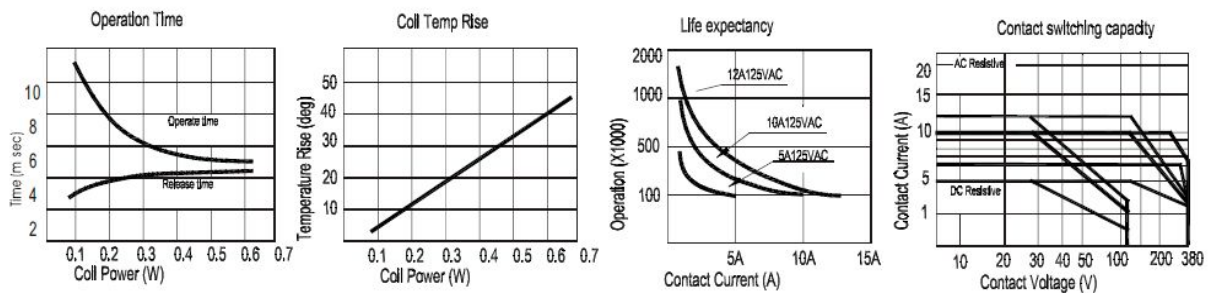
Dimensions

mm/inch


Bottom View Layout
Outline Dimensions

Wiring Diagram(Bottom View)

Note: 1. Unit mm/inch

2. Dimensions for reference only.

Engineering Data


Note: All specifications are for customers' reference only. Please contact us for any special requirements.