



### Features

- Microminature relay.
- High sensitive: 200 mw
- Sealed type construction.
- High reliability gilt contact.

### Safety Approval

UL, TUV, CQC

### Contact capacity

Model	YSK	
Nominal Switching Capacity	3A 120VAC	3A 24VDC
Max.swithing current	3A	
Max.swithing voltage	220VAC	24VDC
Max.swithing power	360VA	72W

### Characteristic Data

Contact material	Silver alloy	
Initial contact resistance(at6VDC 1A)	100mΩ Max.	
Operate time(at nominal volt)	YSK-D: 8msec. Max.	YSK-L: 10msec. Max.
Release time(at nominal volt)	4msec. Max.	
Initial insulation resistance	100MΩ Min.(DC500)	
Initial dielectric strength	Between open conatcts:	
	Between coil and contact:	
Vibration resistance	Functional	10 ~ 55Hz at double amplitude of 1.5mm
	Destructive	10 ~ 55Hz at double amplitude of 1.5mm
Shock resistance	Functional	10G Min
	Destructive	50G Min
Endurance(operations)	Mechanical(at 10,800ps.h)	10,000,000 times
	Electrical(a900ps.h)	100,000 times
Ambient temperature	-30℃ ~ +70℃( no condensation)	
Unit weight	Approx.3.7g	

### Coil Data(at 20℃)

Nominal voltage (VDC)	Nominal operating current ± 10% (mA)	Coil resistance ± 10% (Ω)	Allowable voltage (Max.)	Pick-up voltage (Max.)	Drop-out voltage (Min.)	Nominal operating power
3	120.00	25	130% of nominal voltage	75% of nominal voltage	5% of nominal voltage	0.36W
5	71.43	70				
6	60.00	100				
9	40.00	225				
2	30.00	400				
4	15.00	1,600				

Coil Data(at 20°C)

Nominal voltage (VDC)	Nominal operating current ± 10% (mA)	Coil resistance ± 10% (Ω)	Allowable voltage (Max.)	Pick-up voltage (Max.)	Drop-out voltage (Min.)	Nominal operating power
3	66.67	45	130% of nominal voltage	75% of nominal voltage	5% of nominal voltage	0.20W
5	40.00	125				
6	33.33	180				
9	22.22	405				
12	16.67	720				
24	8.33	2,880				
3	150.00	20				0.45W
5	90.00	55				
6	75.00	80				
9	50.00	180				
12	37.50	320				
24	18.75	1,280				

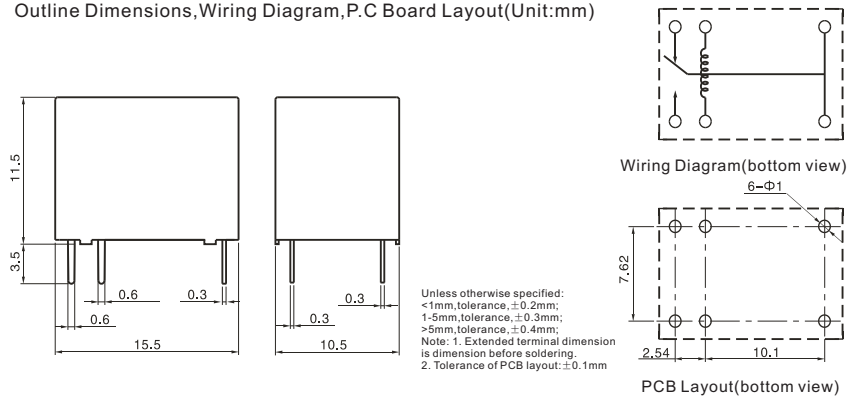
Safety Approval Ratings

Approval	CQC	TUV	UL
Approval ratings	1 A 125VAC	3A 220VAC 3A 24VDC	3A 120VAC 3A 24VDC 1A 120VAC

Ordering Information

Nomenclature	
YSK-SS-1 12 D-XX	
	Special parameter: Nil-Standard type Letter or number-Special requirement
	Coil Power: D-0.2W L-0.15W
	Coil Voltage: 02,03,05,06,09,12,24
	Number of Pole: 1-1 Pole
	Protective Construction: SS-Flux proofed SH-Sealed type washable
	Type Designation: YSK

Outline Dimensions, Wiring Diagram, P.C Board Layout(Unit:mm)



**Typical Applications**

- Home appliance
- Office equipment
- Telecommunication equipment
- Audio equipment, etc.

**Characteristic Curves**

