



### Features

- Dielectric strength:5000V.
- Small size for density PCB mounting.

### Safety Approval

UL, TUV, CQC

### Contact Capacity

Model	Y14F-1	Y14F-2
Nominal Switching Capacity	10A 250VAC 16A 250VAC	5A 250VAC 8A 250VAC
Max.swithing current	16A	8A
Max.swithing voltage	250VAC	250VAC
Max.swithing power	2,500VA/4000VA	1,250VA /2,000VA

### Characteristic Data

Contact material	Silver alloy	
Initial contact resistance(at6VDC 1A)	50mΩ Max.	
Operate time(at nominal volt)	20msec. Max.	
Release time(at nominal volt)	8msec. Max.	
Initial insulation resistance	1,000MΩ Min.(DC500V)	
Initial dielectric strength	Between open contacts: AC1,000V,50/60HZ 1Min.	
	Between coil and contacts: AC5,000V,50/60HZ 1Min.	
Vibration resistance	Functional	10-55 HZ at double amplitude of 1.5mm
	Destructive	10-55 HZ at double amplitude of 1.5mm
Shock resistance	Functional	10G Min.
	Destructive	100G Min.
Endurance(operations)	Mechanical(at 10,800ps.h)	10,000,000 times
	Electrical(at 10,800ps.h)	100,000 times
Ambient temperature	-40℃ ~ + 85℃(no condensation)	
Unit weight	Approx.13.5g	

### 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	240.00	12.5	130%of nominal voltage	75%of nominal voltage	5%of nominal voltage	0.72W
5	144.00	35				
6	120.00	50				
9	80.00	115				
12	60.00	200				
18	40.00	450				
24	30.00	800				
48	15.00	3,300				

## 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	180.00	17	130% of nominal voltage	75% of nominal voltage	5% of nominal voltage	0.54W
5	108.00	46				
6	90.00	67				
9	60.00	150				
12	45.00	267				
18	30.00	600				
24	22.50	1,067				
48	11.25	4,267				

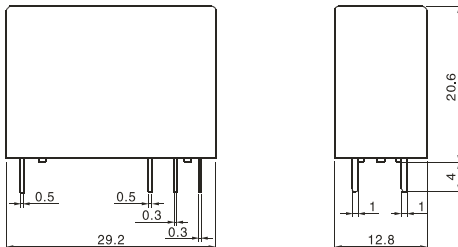
## Safety Approval Ratings

Approval	CQC	TUV	UL
Approval ratings	1Pole: 16A 250VAC  2Poles: 5A 250VAC 8A 250VAC	1Pole: 16A 240VAC 10A 240VAC  2Poles: 5A 250VAC 5A 24VDC	1Pole: 16A 250VAC  2Poles: 5A 250VAC

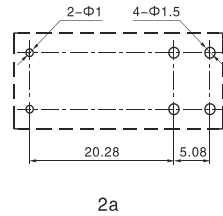
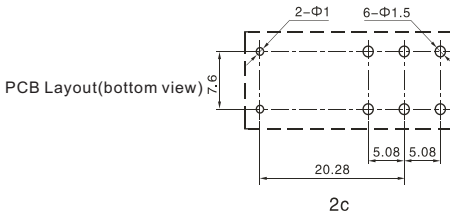
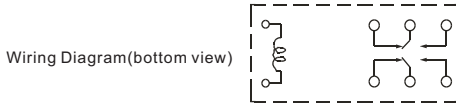
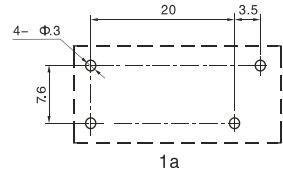
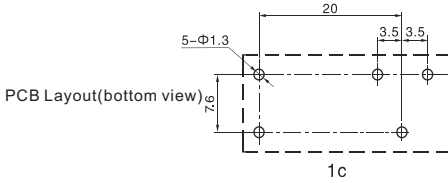
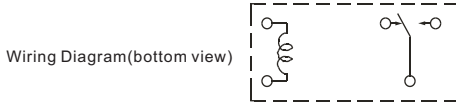
## Ordering Information

Nomenclature					
Y14F	SS	-1	12	D	M-XX
Special parameter: Nil-Standard type Letter or number-Special requirement					
Contact Form: M-Form A Nil-Form C					
Coil Power: D-0.45W L-0.36W					
Coil Voltage: 03,05,06,09,12,24, 48					
Number of Pole: 1-1 Pole					
Protective Construction: SS-Flux proofed SH-Sealed type washable					
Type Designation: Y14F					

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



Unless otherwise specified:  
 <1mm, tolerance, ±0.2mm;  
 1-5mm, tolerance, ±0.3mm;  
 >5mm, tolerance, ±0.4mm;  
 Note: 1. Extended terminal dimension is dimension before soldering.  
 2. Tolerance of PCB layout: ±0.1mm



### Typical Applications

- Instrument
- Industrial control equipment, monitor
- Audio equipment
- Home appliances, air conditioner, microwave oven

### Characteristic Curves

