



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)	100mΩ 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 18,000ps.h)	10,000,000 times
	Electrical(at 900ps.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 $\pm 10\%$ (mA)	Coil resistance $\pm 10\%$ (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				

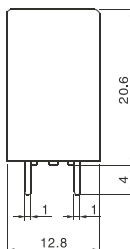
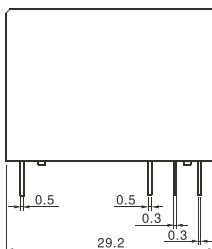
Safety Approval Ratings

Approval	CQC	TUV	UL
Approval ratings	1 Pole: 16A 250VAC 2 Form A: 8A 250VAC 2 Form C: NO/NC:8A/5A 250VAC	1 Form A: 16A 240VAC 16A 30VDC 1 Form C: 16A/10A 240VAC 2 Poles: 5A 240VAC	1 Pole: 16A 250VAC 2 Poles: 5A 250VAC

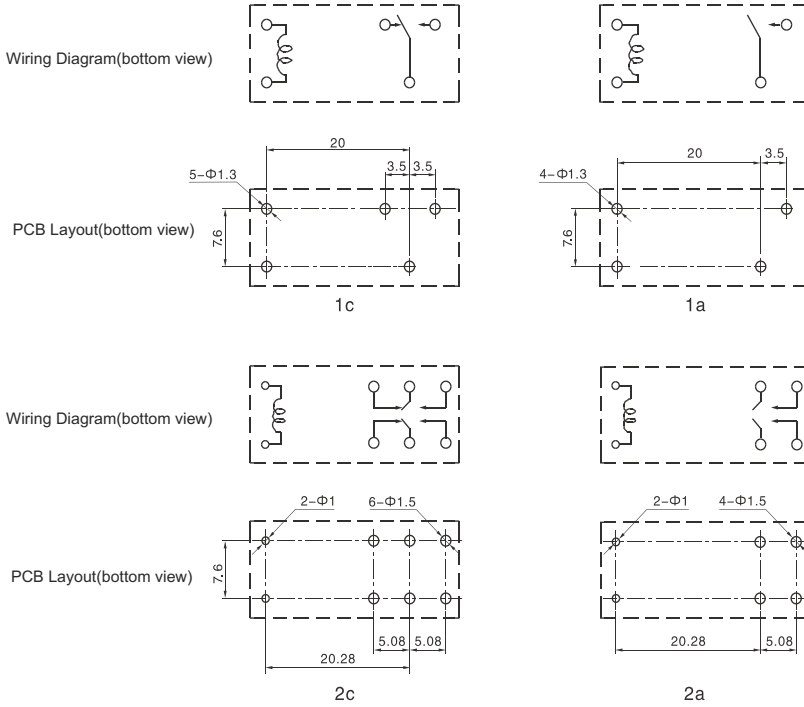
Ordering Information

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-0.72W L-0.54W
	Coil Voltage: 03,05,06,09,12,24, 48
	Number of Pole: 1-1 Pole 2-2Poles
	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

