



Features

- 16A switching capability.
- Low profile: 15.7mm high.
- Contact form: Form A, Form C.
- Withstand surge voltage of 10KV.
- Flux-proofed and sealed washable type available.
- 10mm spacing, 5k dielectric between coil and contact.

Safety Approval

UL, TUV, CQC

Contact Capacity

Model	Y14F-115-1P	Y14F-115-2P
Nominal Switching Capacity	16A 250VAC / 12A 250VAC	8A 250VAC
Max. switching current	20A	10A
Max. switching voltage	250VAC	250VAC
Max. switching power	4,000VA / 3,000VA	2,000VA

Characteristic Data

Contact material	Silver alloy	
Initial contact resistance(at6VDC 1A)	50mΩ Max.	
Operate time(at nominal volt)	10msec. Max.	
Release time(at nominal volt)	8 msec. 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.	
	Between contact sets: AC2,500V,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 1,200ps.h)	100,000 times
Ambient temperature	-40℃ + 85℃(no condensation)	
Unit weight	Approx. 13.5g	

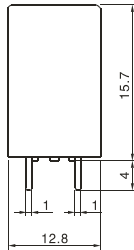
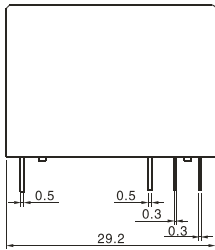
Coil Data(at 20℃)

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
5	81.00	63	130% of nominal voltage	75% of nominal voltage	10% of nominal voltage	0.44W
6	67.00	90				
9	45.00	203				
12	33.00	360				
18	22.00	810				
24	17.00	1440				
48	8.00	5760				
60	6.70	9000				
110	3.60	22000				0.54W

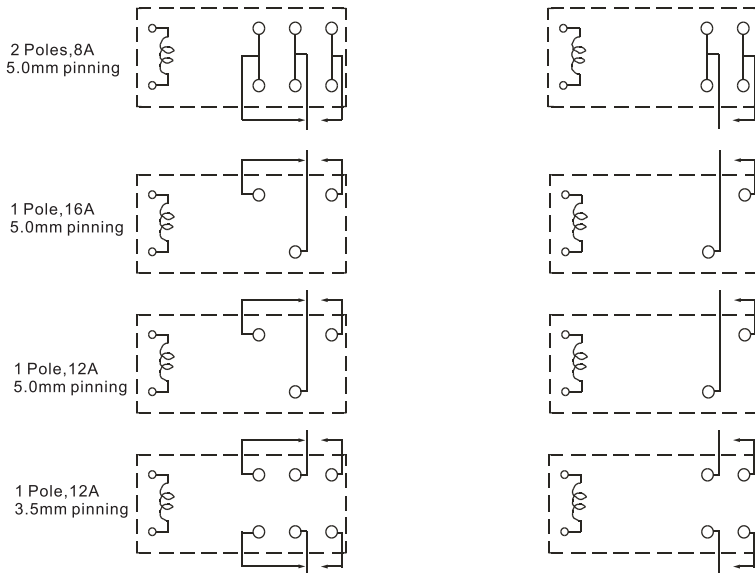
Ordering Information

Nomenclature	
Y14F-SS-1 12 D M H F-XX	Special Parameter: Nil-Standard type, Letter or number-Special requirement
	Insulation System: Nil-Standard, B-Class B, F-Class F
	Contact Capacity: Nil-1 pole, 16A, 5.0mm pinning or 2 poles, 8A, 5.0mm pinning; H-1 pole, 12A, 5.0mm pinning; T-1 pole, 12A, 3.5mm pinning
	Contact Form: Nil-Form C, M-Form A
	Coil Power: D-0.4W
	Coil Voltage (VDC): 05, 06, 09, 12, 18, 24, 48, 60, 110
	Number of Poles: 1-1 Pole, 2-2 Poles
	Protective Construction: SS-Flux proofed SH-Sealed type washable
Type Designation: Y14F-115	

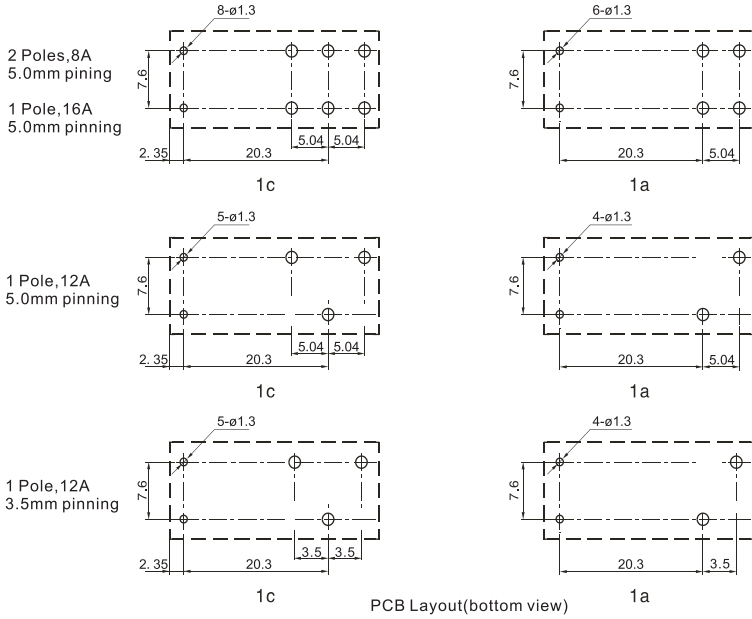
Outline Dimensions, Wiring Diagram, P.C Board Layout (Unit: mm)



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



Wiring Diagram(bottom view)



Typical Applications

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

Characteristic Curves

