



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	8A 250VAC
Max.switching current	16A	8A
Max.switching voltage	250VAC	250VAC
Max.switching power	4,000VA	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)	20msec. 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 18,000ps.h)	10,000,000 times
	Electrical(at 900ps.h)	100,000 times
Ambient temperature	-40°C + 85°C(no condensation)	
Unit weight	Approx.12.8g	

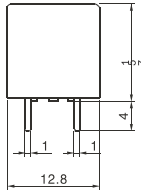
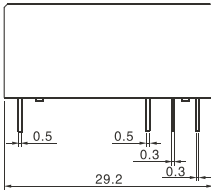
Coil Data(at 20°C)

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	0.4W
5	108.00	47				
6	90.00	68				
9	60.00	150				
12	45.00	270				
18	30.00	600				
24	22.50	1,100				
48	10.90	4,400				0.54W

Ordering Information

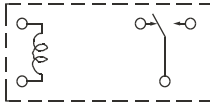
Nomenclature	
Y14F-SS-1 12 L M-W-XX	Special parameter: NI-Standard type 115 Small case (Letter or number-Special requirement)
	NI-3.5mm Pinning 10A/12A 1 Pole, 5.0mm Pinning 8A 2 Pole W-5.0mm Pinning 16A (For 1 Pole only)
	Contact Form: M-Form A NI-Form C
	Coil Power: L-0.4W/0.53W D-0.72W
	Coil Voltage: 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)

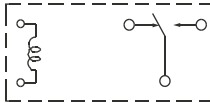


Unless otherwise specified:
 <1mm, tolerance, ± 0.2 mm;
 1-5mm, tolerance, ± 0.3 mm;
 >5mm, tolerance, ± 0.4 mm;
 Note: 1. Extended terminal dimension is dimension before soldering,
 2. Tolerance of PCB layout: ± 0.1 mm

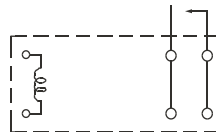
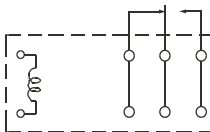
1Pole 12A
3.5mm pinning



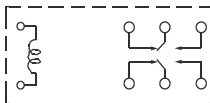
1Pole 12A
5.0mm pinning



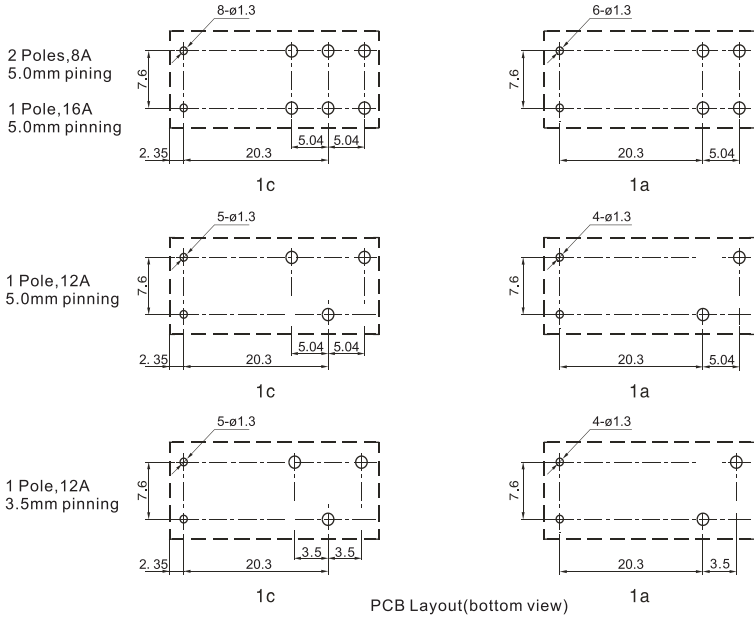
1Pole 16A
5.0mm pinning



2Poles
5.0mm pinning



Wiring Diagram (bottom view)



Typical Applications

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

Characteristic Curves

