



Features

- 5A contact switching capability.
- High breakdown voltage:5000V(between coil and contact)
- Small size (18.4x10.2x15.5mm)for high density PCB mounting.

Safety Approval

UL, TUV, CQC

Contact Capacity

Model	Y32F-DM or LM(5A)	Y32F-HM or LM8(10A)	Y32F-DMH or LMH(16A)
Nominal Switching Capacity	5A 250VAC	10A 250VAC	16A 250VAC
Max.swithing current	5A	10A	16A
Max.swithing voltage	277VAC	277VAC	250VAC
Max.swithing power	1,250VA	2500VA	4000VA

Characteristic Data

Contact material	Silver alloy	
Initial contact resistance(at6VDC 1A)	100mΩ Max.	
Operate time(at nominal volt)	10m sec. Max.	
Release time(at nominal volt)	5m sec. Max.	
Initial insulation resistance	1,000 MΩMin.(DC500V)	
Initial dielectric strength	Between open contacts: AC1,000V,50/60HZ 1Min.	
	Between coil and contacts: AC4,000V,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 1,800ps.h)	100,000 times
Ambient temperature	-40℃ ~+105℃(no condensation)	
Unit weight	Approx.5.6g	

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	150.00	20	110%of nominal voltage	75%of nominal voltage	5%of nominal voltage	0.45W
5	90.00	55				
6	75.00	80				
9	50.00	180				
12	37.50	320				
18	25.00	720				
24	18.75	1,280				

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	110% of nominal voltage	75% of nominal voltage	5% of nominal voltage	Approx. 0.2W
5	40.00	125				
6	33.33	180				
9	22.22	405				
12	16.67	720				
18	14.81	1,620				
24	8.33	2,880				

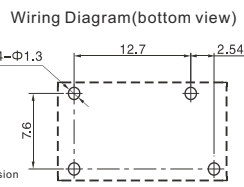
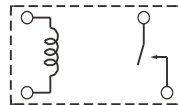
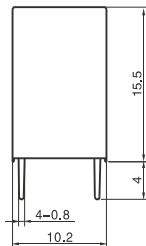
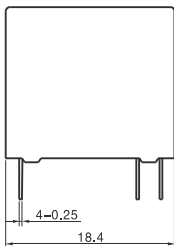
Safety Approval Ratings

Approval	CQC	TUV	UL
Approval ratings	LM: 5A 277/250VAC 3A 277/250VAC DM: 5A 277/250VAC LM8: 10A 277/250VAC 8A 277/250VAC HM: 10A 277/250VAC LMH or DMH: 16A 277/250VAC	LM or DM: 5A 277/250VAC LM8: 10A 277/250VAC 8A 277/250VAC HM: 10A 277/250VAC LMH or DMH: 16A 277/250VAC	LM or DM: 5A 277/250VAC 5A 30VDC LM8 or HM: 10A 277/250VAC 10A 30VDC 8A 277/250VAC 8A 30VDC LMH or DMH: 16A 277/250VAC

Ordering Information

Nomenclature	
Y32F-SS-1 12 D M H -XX	
	Special parameter: Nil-Standard type Letter or number-Special requirement
	Load type: Nil-Standard type 8-8A/10A(Only coil power 0.2W) H-16A
	Contact Form: M-Form A
	Coil Power: D or H-0.45W L-0.2W
	Coil Voltage: 03,05,06,09,12,24
	Number of Pole: 1-1 Pole
	Protective Construction: SS-Flux proofed SH-Sealed type washable
	Type Designation: Y32F

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

PCB Layout(bottom view)

Typical Applications

- Office equipment ● Telecommunication Equipment
- Safety equipment ● Home appliances such as air conditioner

Characteristic Curves

