



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(5A)	Y32F-LM(3A)	Y32F-LM8	Y32F-HM
Nominal Switching Capacity	5A 250VAC	3A 250VAC	8A 250VAC	10A 250VAC
Max.swithing current	5A	3A	8A	10A
Max.swithing voltage	277VAC	277VAC	277VAC	277VAC
Max.swithing power	1,250VA	750VA	2000VA	2500VA

Characteristic Data

Contact material	Silver alloy		
Initial contact resistance(at6VDC 1A)	50MΩ Max.		
Operate time(at nominal volt)	10m sec. Max.		
Release time(at nominal volt)	5m sec. Max.		
Initial insulation resistance	1,000MΩ Min.(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 10,800ps.h)	10,000,000 times	
	Electrical(at 10,800ps.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				

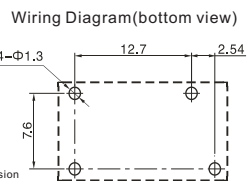
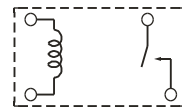
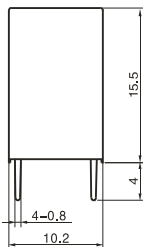
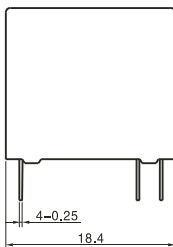
Safety Approval Ratings

Approval	CQC	TUV	UL
Approval ratings	DM 5A 250VAC LM 3A 24VDC 250VAC LM8 8A 250VAC HM 10A 250VAC	DM 5A 250VAC LM 5A 250VAC LM8 8A 250VAC HM 10A 250VAC	HM 10 A 250VAC LM 5A 250VAC LM8 8A 250VAC DM 5A 250VAC

Ordering Information

Nomenclature						
Y32	FSS	-1	12	D	M	-XX
Special parameter: Nil-Standard type Letter or number-Special requirement						
Contact Form:M-Form A						
Coil Power: D-0.2W L-0.15W						
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: 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

Typical Applications

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

Characteristic Curves

