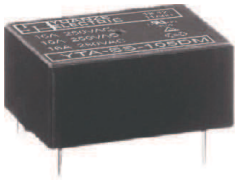
元则继电器
YUANZE RELAY
PRINCIPLE MASTERING THE FUTURE

Miniature Power Relay

YTA-Series



Features

- Small size with 16A high switching capacity.
- Low coil power consumption:200mw avaliable.

Safety Approval

UL, TUV, CQC

Contact Capacity

Model	YTA
Nominal Switching Capacity	16A 250VAC
Max.swithing current	16A
Max.swithing voltage	250VAC
Max.swithing power	4,000VA

Characteristic Data

Contact material	Silver alloy	
Initial contact resistance(at6VDC 1A)	100mΩ Max.	
Operate time(at nominal volt)	15msec. 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: 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 600ps.h)	100,000 times
Ambient temperature	−40℃ ~ +105℃(no condensation)	
Unit weight	Approx.8.6g	

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	66.67	45	130%of nominal voltage	75%of nominal voltage	5%of nominal voltage	0.20W
5	40.00	125				
6	33.33	180				
9	22.22	405				
12	16.67	720				
18	11.11	1,620				
24	8 57	2 800				

Note: Specifications and dimensions in this catalog are subjected to change without notice.

Safety Approval Ratings

Approval	CQC	TUV	UL/CUL
Approval ratings	16A 277/250VAC 16A 30VDC	16A 277/250VAC 10A 277/250VAC 16A 30VDC 10A 30VDC	16A 277/250/125VAC 10A 277/250/125VAC 16A 30VDC 10A 30VDC TV-5 120VAC 1HP 250VAC

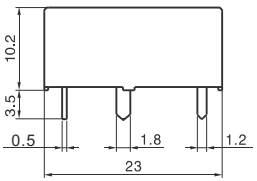
Ordering Information

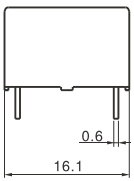
Nomenclature

YTA –SS –1 12 D M –XX

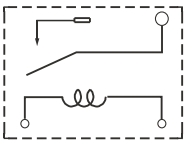
- –XX: Special parameter: Nil-Standard type; Letter or number-Special requirement
- M: Contact Form: M-Form A
- D: Coil Power: D-0.2W H-0.36W E-0.45W
- 12: Coil Voltage: 03,05,06,09,12,24, 48
- –1: Number of Pole: 1-1 Pole
- –SS: Protective Construction: SS-Flux proofed; SH-Sealed type washable
- YTA: Type Designation: YTA

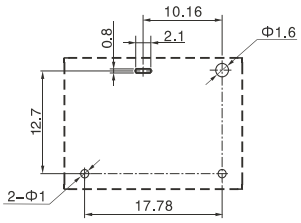
Outline Dimensions,Wiring Diagram,P.C Board Layout(Unit:mm)





Wiring Diagram(bottom view)





PCB Layout(bottom view)

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
- Home appliances
- Audio system
- Automation and instrument
- Automotive control device,etc.