



Features

- Microminiature, standard PCB type.
- High vibration and shock resistance.
- Switching capability:20A, low power consumption:0.6W.

Safety Approval

UL, TUV, CQC

Contact Capacity

Model	YA
Nominal Switching Capacity	20A 14VDC 5A 250VAC
Max. switching current	20A
Max. switching voltage	30VDC
Max. switching power	280W

Characteristic Data

Contact material	Silver alloy	
Initial contact resistance	100mΩ Max.	
Operate time	10msec. Max.	
Release time	5msec. Max.	
Initial insulation resistance	100MΩ Min.(DC500V)	
Initial dielectric strength	Between open contacts: AC500V,50/60HZ 1Min.	
	Between coil and contacts: AC500V,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℃ ~ +125℃(no condensation)	
Unit weight	Approx.6.0g	

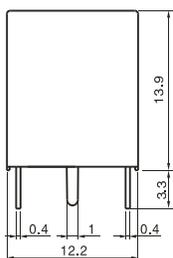
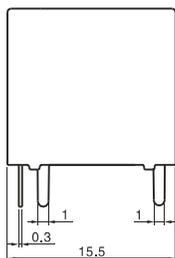
Coil Data(at 20℃)

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
6	100.00	60	110%of nominal voltage	70%of nominal voltage	5%of nominal voltage	0.60W
9	66.67	135				
12	50.00	240				
24	25.00	960				

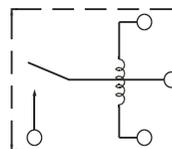
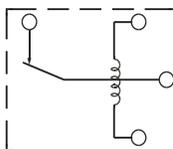
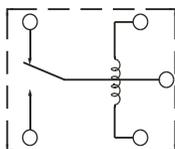
Ordering Information

Nomenclature					
YA	-SS	-1	12	D	M-XX
Special Parameter: Nil-Standard type Letter or number-Special requirement					
Contact Form: M-Form A,B-Borm B, Nil-Form C					
Coil Power: D-0.60W					
Coil Voltage(VDC):06,09,12,24					
Number of Pole: 1-1 Pole					
Protective Construction:SS-Flux proofed SH-Sealed type washable					
Type Designation: YA					

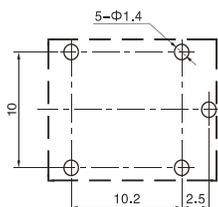
Outline Dimensions,Wiring Diagram,P.C Board Layout(Unit:mm)



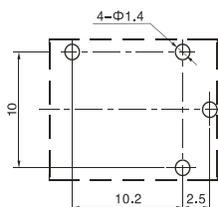
Unless otherwise specified:
 <1mm,tolerance,±0.2mm;
 1-5mm,tolerance,±0.3mm;
 >5mm,tolerance,±0.4mm;
 Note: 1. Extended terminal dimension
 is dimension before soldering.
 2. Tolerance of PCB layout:±0.1mm



Wiring Diagram(bottom view)

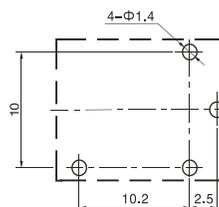


1c



1b

PCB Layout(bottom view)



1a

Typical Applications

- Office equipment
- Anti-theft system.
- Home appliances, auto door lock motor control.

Characteristic Curves

