





Features:

- 60A contact swtching capability
- Low coil power consumption, impulse drive
- Excellent anti-shock ability and high reliability
- Dielectric strength between coil and contact :2.5KV
- Single and dual coil relays available
- Environmental friendly product (RoHS Compliant)

Typical Application

• Intelligent electric meters, Electric remote control Composite power switch, Electrical Equipment

Contact capacity

Nominal switching capacity (res. load)	60A 250VAC
Max.switching current	60A
Max.switching voltage	250VAC
Max.switching power	15,000 VA

Characteristic Data

Contact material	Silver alloy				
Initial contact resistance	2mΩ Max.				
Operate time(at nominal volt.)	15msec.Max.				
Release time(at nominal volt.)	15msec.Max.				
Insulation Resistance	1,000MΩ Min.(500VDC)				
Initial dielectric strength	Between open contacts	1,500VAC , 50/60Hz 1min			
initiat dietectric strength	Between coil and contact	2,500VAC , 50/60Hz 1min			
Shock resistance	Function 100 G Min.				
Shock resistance	Destructive 10 G Min.				
Vibration resistance	Function 10 ~ 55Hz at double	10 ~ 55Hz at double amplitude of 1.5 mm			
Vibration resistance	Destructive 10 ~ 55Hz at double amplitude of 1.5 mm				
Endurance (operate)	Mechanical(at 3,600ops./h)	1×10⁵ cycles			
	Electrical(at 600ops./h)	1×10⁴ cycles			
Ambient temperature	-30°C ~ +55°C(no condensation)				

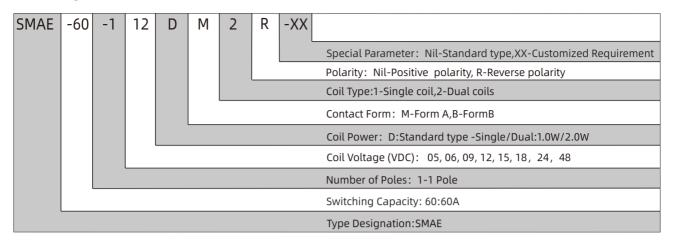
Coil Data (at 20℃)

Nominal voltage (VDC)	Single coil-Res. ±10%(Ω)	Duoble coil-Res. ± 10%(Ω)		Release voltage (Max).	Operate voltage (Max.)	Pulse duration (ms)	Nominal operating
5	25	12.5	12.5	80% of Nominal voltage			
6	36	18	18				
9	81	40.5	40.5		80% of	100Min.	Single/Dual:
12	144	72	72		Nominal voltage		1.0W/2.0W
24	576	288	288				
48	2,340	1,152	1,152				

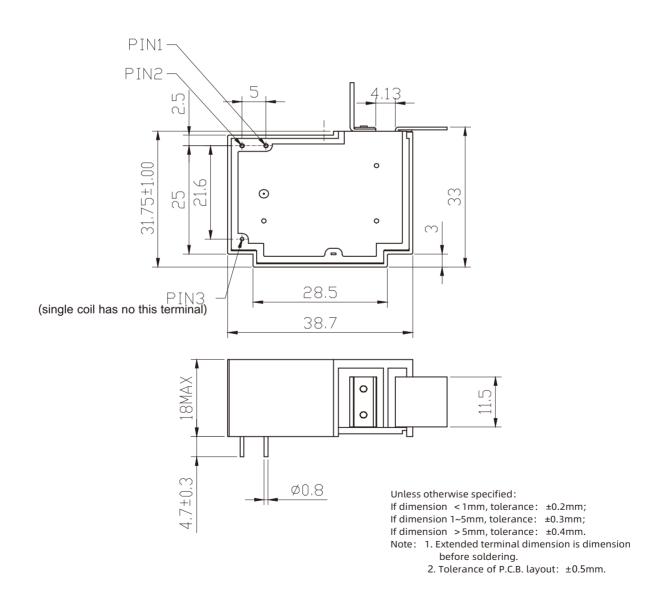




Ordering Information



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



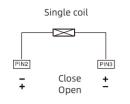


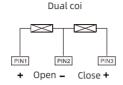


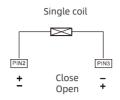
Wiring diagram

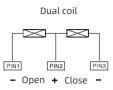
Positive polarity

Reverse polarity

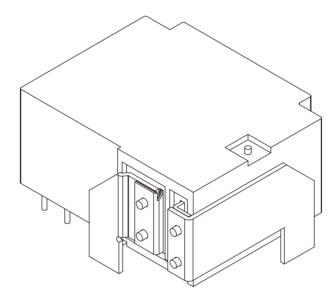








Typical drawing



Note: Typical drawing is just for reference, customized terminals with metering components are acceptable, Please contact us for any special requirements.

Announcements:

1.The magnetic latching relay is to be supplied with contacts close(Operate) or contacts open(Release), but the contact status may got changed due to unexpected shock or vibration during delivering or mounting.

You can reset the contact status according to your requirement.

2.n order to make sure the contacts are completely closed or opened, energized voltage to Operate or Release coil should be the nominal operate/release voltage, impulse width should be 5 times more than specified operate/release time in the specification but less than 1 minute.Do not apply power to Operate and Release coils at the same time.

Statement:

This product specification is for reference only, subject to change without prior notice. We could not evaluate all test conditions for every possible application, thus customers should be in a right position to choose suitable products for their own application. If in doubt, please contact Sanyou for more technical support. However, it's the customer's responsibility to determine which product should be used.

