

Features:

- Miniature relay with high switching capability: 30A.
- Contact form: Form A, Form B or Form C.
- Special type of 4000VAC dielectric strength and 6000V surge voltage (1.2/50μS) between coil and contact available.
- Satisfy IEC60335-1 /IEC60079-15 compliance product is available.

Typical applications:

- Home appliances: air conditioner, heater, etc.
- Vending machine.
- Office equipment: computer, fax machine, etc.
- Electric controlled window, car antenna, door lock, etc.

Approvals

UL, c-UL (File No.): E190598
TUV (File No.): R50143450
CQC (File No.): CQC02001002109, CQC10002050461, CQC21002306488

Contact Data

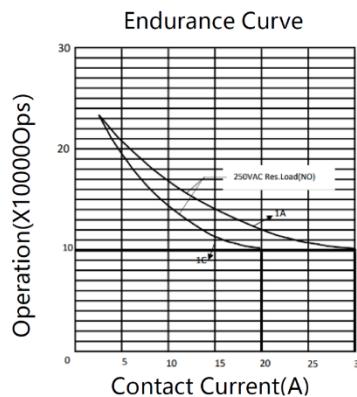
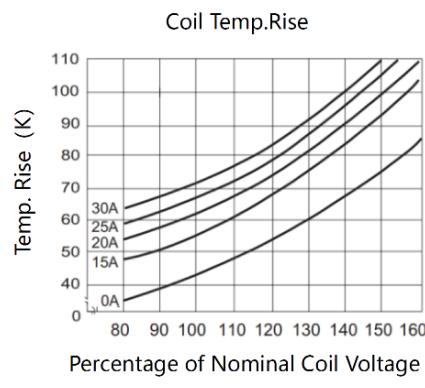
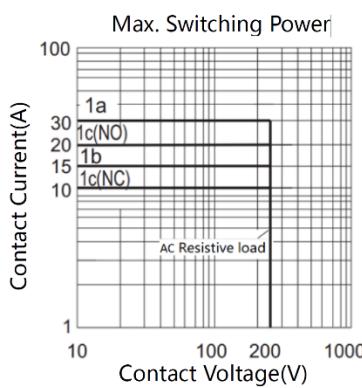
Contact arrangement	1form C (CO) or 1form A (NO)
Contact resistance	100mΩ Max.(at 1A 6VDC)
Rated voltage	250VAC
Max.switching voltage	277VAC
Rated current	1form C (20A) or 1form A (30A)
Min. recommended contact load	1A, 6VDC
Breaking capacity max.	5000VA or 7500VA
Contact material	AgSnO ₂
Frequency of operation	360 ops./h
Operate/release time max.	15ms/10ms
Electrical endurance	See electrical endurance graph

Contact ratings

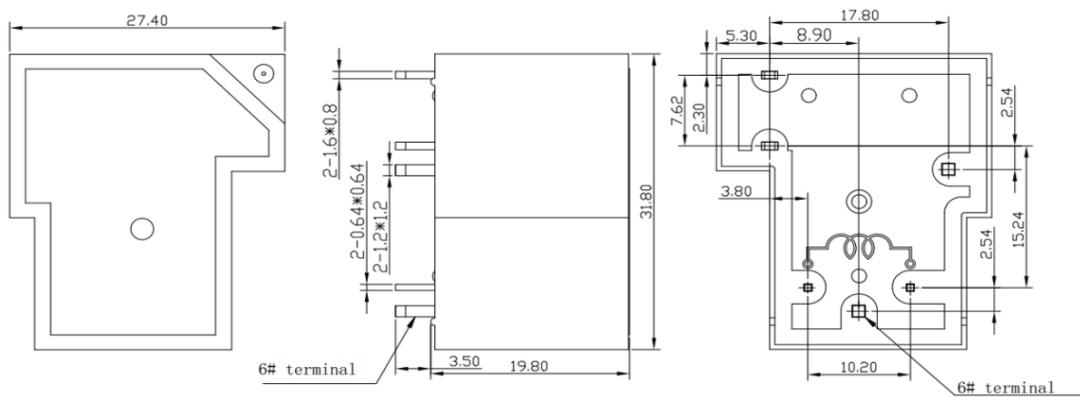
Type	Contact	Load	Cycles
IEC 61810			
SLA	C(NC)	10A,240VAC,85°C	1X10 ⁵
SLA	A(NO)	30A,250VAC,105°C	1X10 ⁵
UL 60947-4-1			
SLA	A/C(NO)	30A,240VAC,85°C	1X10 ⁵
SLA	B(NC)	15A,240VAC,85°C	1X10 ⁵
SLA	C(NO)	20A,240VAC,85°C	1X10 ⁵
SLA	C(NC)	10A,240VAC,85°C	1X10 ⁵
SLA	A(NO)	30A,250VAC,105°C	1X10 ⁵
GB/T 21711.1-2023			
SLA	A/C(NO)	30A,250VAC,85°C	2X10 ⁴
SLA	B(NC)	15A,250VAC,85°C	2X10 ⁴
SLA	C(NO)	20A,250VAC,85°C	2X10 ⁴
SLA	C(NC)	10A,250VAC,85°C	2X10 ⁴
SLA	A(NO)	30A,250VAC,105°C	1X10 ⁵
EN 60730-1			
SLA	A(NO)	30A,240VAC,85°C	1X10 ⁵
SLA	B(NC)	15A,240VAC,85°C	1X10 ⁵
SLA	C(NO)	20A,240VAC,85°C	1X10 ⁵
Mechanical endurance			≥1X10 ⁷

Coil Data

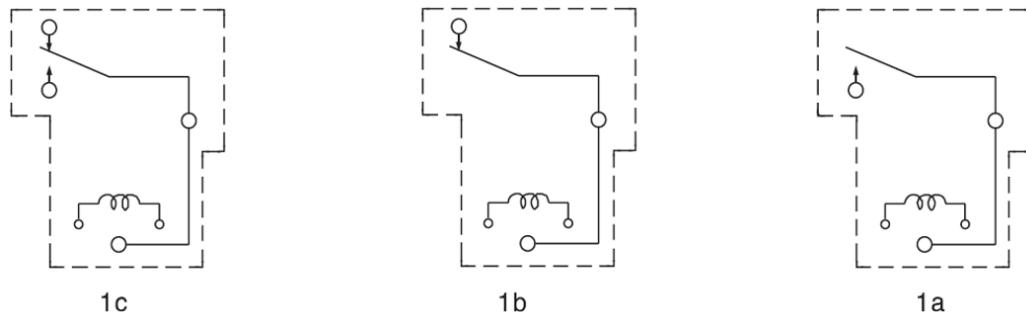
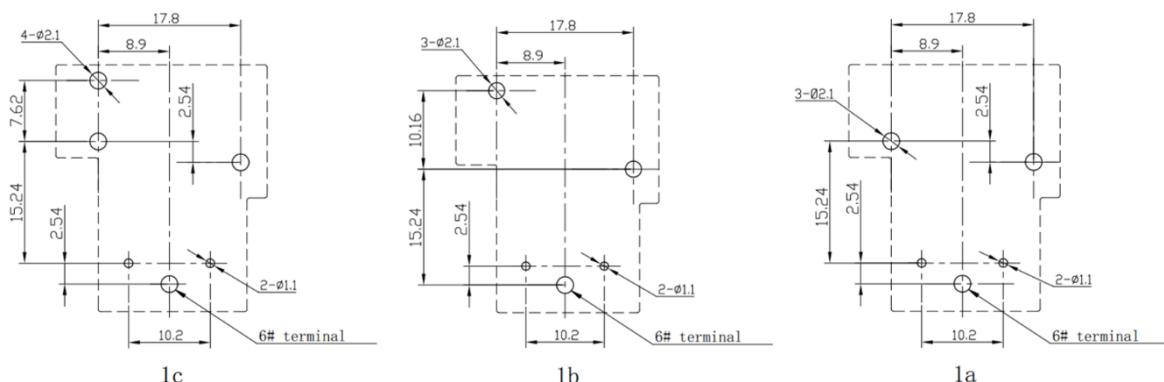
Coil voltage range:	5 to 110VDC
Operative range, IEC 61810	2
Coil insulation system according UL	Class F



Note:
(1) Test conditions: room temperature, flux-proof product, resistive load, 1s on, 9s off.
(2) The above curves are for reference only, and the final result is subject to the experiment.

Dimensions


bottom view

Wiring Diagrams (bottom view)

PCB Layouts (bottom view)


In case of no tolerance shown on outline dimension

If dimension < 1 mm, tolerance: $\pm 0.2\text{mm}$

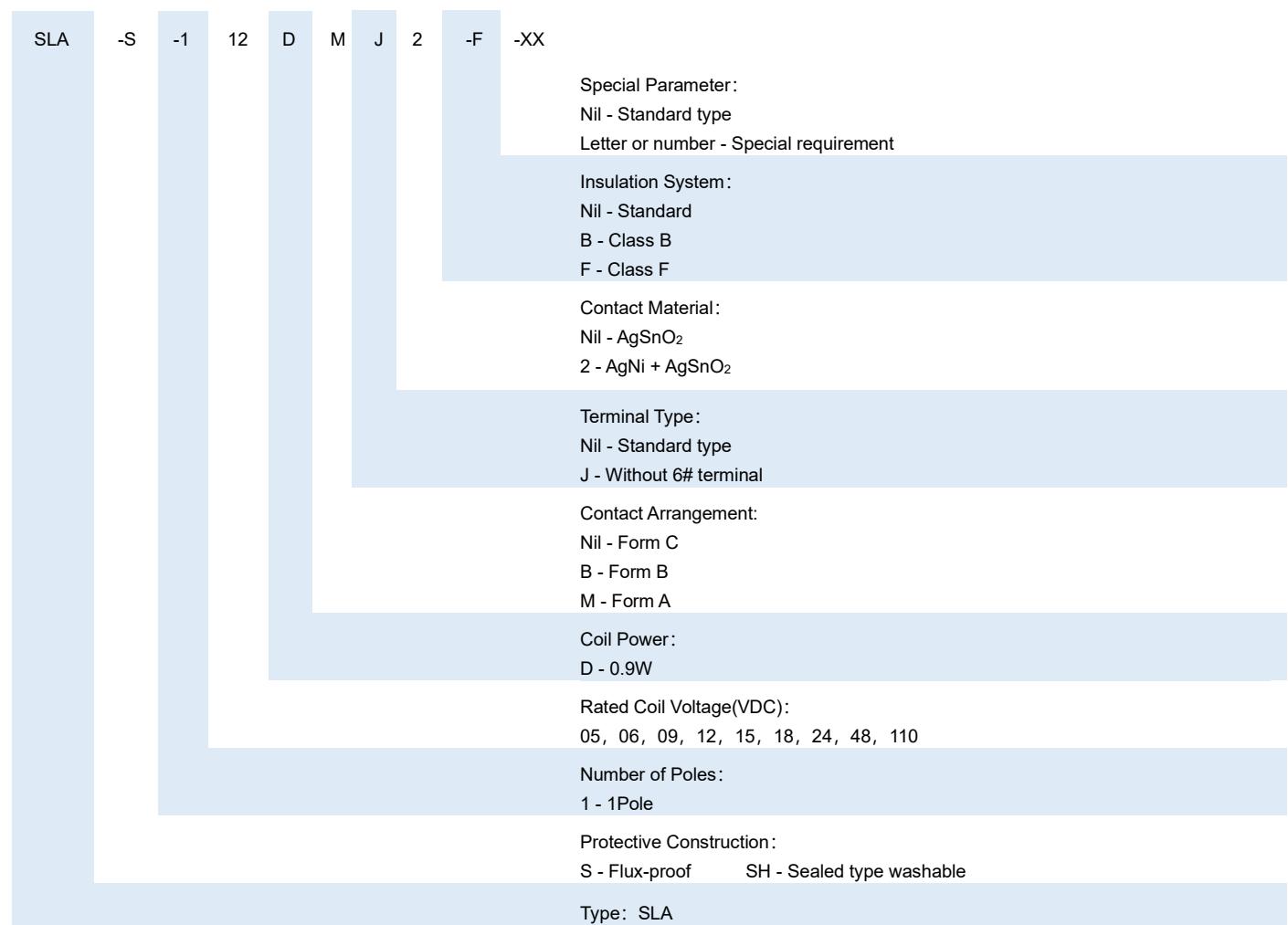
If dimension 1~5mm, tolerance: $\pm 0.3\text{mm}$

If dimension > 5mm, tolerance: $\pm 0.4\text{mm}$

Notes:

1.The dimension of pin is the size before tinning

2.Tolerance of PCB layout: $\pm 0.1\text{ mm}$.

Product Code Structure


- (1) Flux-proof relays can not be used in the environment with pollutants like H₂S, SO₂, NO₂, dust, etc.
- (2) Water cleaning or surface process is not suggested after the flux-proof relays are assembled on PCB.
- (3) Customized special suffix is available after being evaluated by Sanyou.
- (4) C1 suffix stands for product in accordance to IEC60335-1(GWT) & CTI250V.
- (5) Ex suffix stands for product compliant with IEC60079-15.

Examples of Ordering Codes

SLA-S-112DM relay SLA, Flux-proof, rated DC voltage 12V, coil power 0.9, 1NO, and contact material AgSnO₂.
 SLA-S-112DJ relay SLA, Flux-proof, rated DC voltage 12V, coil power 0.9, 1CO, and contact material AgSnO₂.

Disclaimer

The specification is for reference only. Specifications are subject to change without prior notice.

We could not evaluate all the performance and all the parameters for every possible applications. Thus the users should in a right position to choose suitable product for their own application. For sealed relays, after installation and cleaning, please open the ventilation hole in the case before use. If there is any query, please contact Sanyou for technical services. However it is the user's responsibility to determine which product should be used.