



Features

- High Contact Switching Capability:17 A,
- Lower coil power and Price
- Microminiaturize ; Standard PCB terminal
- Compliance with RoHS and the requirements for White Goods
- Compliance with IEC60335-1 GWIF850°C/GWIT775°C CTI>=250V
- Ambient temperature range -40°C ~ 105°C
- Load switching 17A/277VAC; TV-8/125VAC,Max. 20A/277VAC
- Provided with NO、NC and CO Contact form
- Low coil power 0.36W, Class F insulation system
- Withstanding 6KV impulse voltage. Dielectric strength 2.5KV r.m.s
- Sealed and flux proof available

Safety Approval

UL , C-UL File No. : E190598

VDE File No.40037165

CQC File No. : CQC13002089151

Contact Capacity

Model	SRG
Nominal switching capacity (res. load)	17A 250VAC
Max. switching current	20A
Max. switching voltage	277VAC
Max. switching power	4709VA

Characteristic Data

Contact material	Silver alloy	
Initial contact resistance	50mΩ Max.	
Operate time (at nominal volt.)	15msec. Max.	
Release time (at nominal volt.)	10msec. Max.	
Initial insulation resistance	100MΩ Min.(DC500V)	
Initial dielectric strength	Between open contacts : AC1,000V, 50/60Hz 1Min.	
	Between coil and contact : AC2,500V, 50/60Hz 1Min.	
Vibration resistance	Destructive	10~55Hz at double amplitude of 1.5 mm
	Functional	10~55Hz at double amplitude of 1.5 mm
Shock resistance	Destructive	100G Min.
	Functional	10G Min.
Endurance (operations)	Mechanical (at 10,800 ops./h)	10,000,000
	Electrical (at 360 ops./h)	100,000
Ambient temperature	-40°C ~ +105°C (no condensation)	
Unit weight	Approx. 15 g	

Coil Data (at 20°C)

Nominal voltage (VDC)	Nominal operating current ± 10% (mA)	Coil resistance ± 10% (Ω)	Max. allowable voltage	Pick-up voltage (Max.)	Drop-out voltage (Min.)	Nominal operating power
5	72.00	69.5	130 % of nominal voltage	75 % of nominal voltage	10 % of nominal voltage	.Approx 0.36W
6	60.00	100				
9	40.00	225				
12	30.00	400				
24	15.00	1,600				
36	10.00	3,600				
48	7.50	6,400				

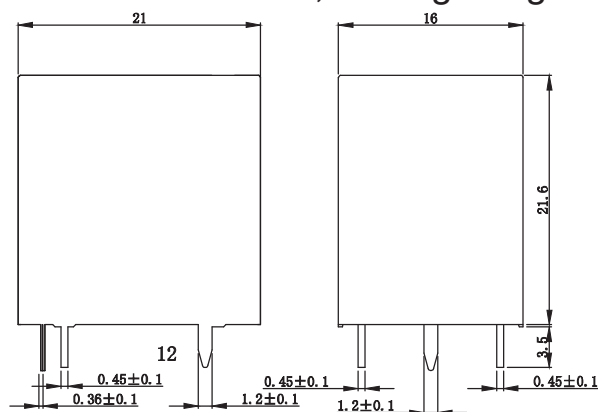
Safety Approval Ratings

Approval	CQC	VDE	UL/CUL
File No.	CQC13002089151	40037165	E190598
Approved ratings	17A/10A 277VAC, NO/NC (CO)	10A 250VAC, NO 17A 250VAC, NO 17A/10A 250VAC, NO/NC CO	10A 277VAC, Resistive&General Use, NO 17A 277VAC, Resistive&General Use, NO 20A 125VAC, Resistive&General Use, NO 10A 277VAC, Resistive&General Use, NC TV-8 125VAC, NO 1HP 250VAC/125VAC, NO

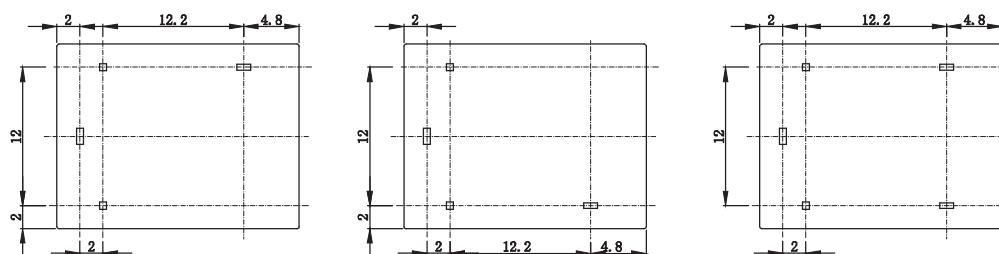
Ordering Information

Nomenclature									
SRG	-S	-1	12	D	M	1	-F	-XX	
Special Parameter : Nil-Standard type Letter or number-Special Requirement									
Insulation System : Nil-Class B, F-Class F									
Contact Material : Nil-AgSnO ₂ , 1-AgNi									
Contact Form : Nil-Form C, B-Form B, M-Form A									
Coil Power : D-0.36W									
Coil Voltage (VDC) : 05, 06, 09, 12, 24, 36, 48									
Number of Poles : 1-1 Pole									
Protective Construction : S-Flux proofed, SH-Sealed type washable									
Type Designation : SRG									

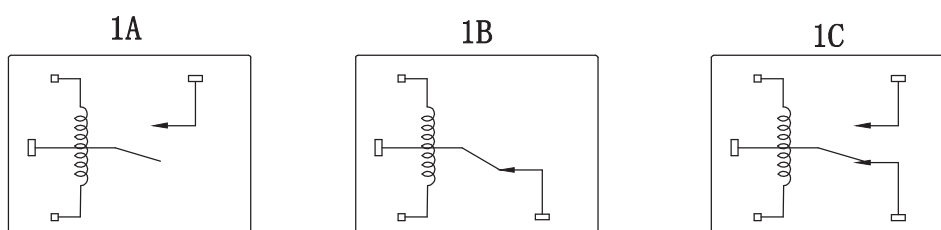
Outline Dimensions, Wiring Diagram, P.C. Board Layout (unit : mm)



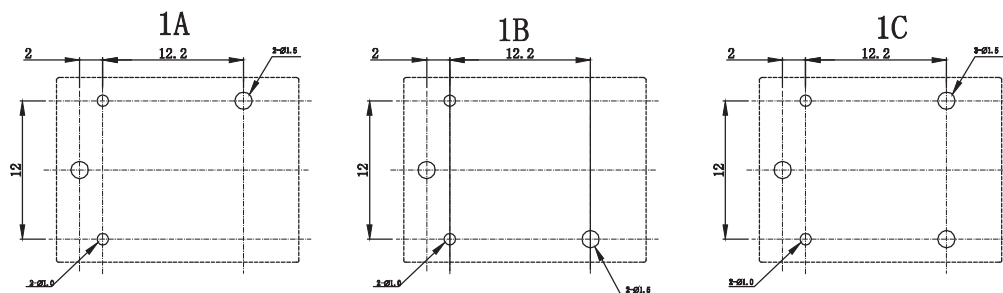
Unless otherwise specified :
 If dimension < 1mm, tolerance : $\pm 0.2\text{mm}$;
 If dimension 1~5mm, tolerance : $\pm 0.3\text{mm}$;
 If dimension > 5mm, tolerance : $\pm 0.4\text{mm}$.
 Note : 1. Extended terminal dimension is dimension before soldering.
 2. Tolerance of P.C.B. layout : $\pm 0.1\text{mm}$.



Wiring Diagram (bottom view)



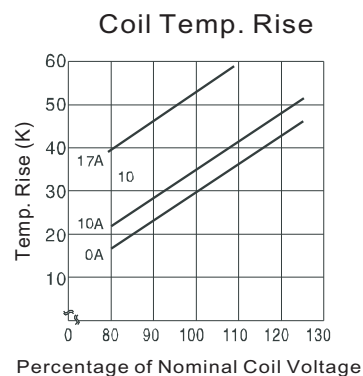
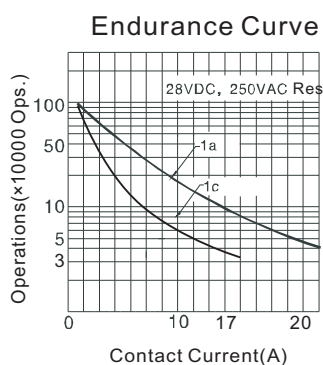
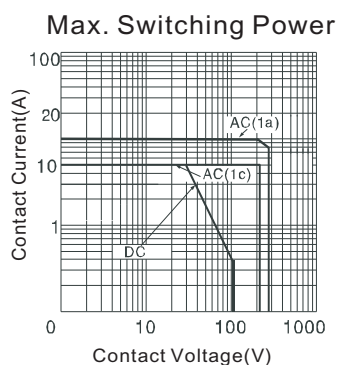
P.C.B. Layout (bottom view)



Typical Applications

- Home appliances such as air conditioner, electrical heater, etc.
- Automat
- Office equipment such as computer, fax machine, etc.
- Automatic power window, car antenna, door lock, etc.

Characteristic Curves



Disclaimer:

This datasheet is the customers' reference. All the specification are subject to change without notice.

We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a right position to choose the suitable product for their own application. If there is any query, please contact Sanyou for the technical service. However it is the user's responsibility to determine which product should be used only.