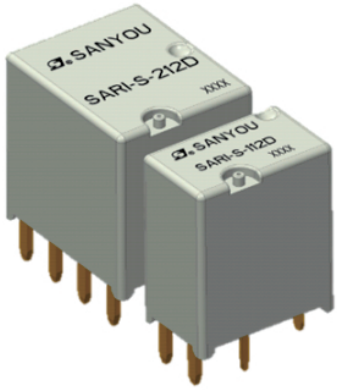
Feature

- 25A motor rating
- Microminiature
- Transformational contact
- Single and dual relays available
- H (180℃)insulation Class
- 250 ℃ reflow soldering



Typical Application

- Central door lock, skylight control, automatic doors and Windows mirror adjustment, seat adjustment

Contact Data

Contact material	Silver alloy
Dropping Voltage of Contacts	200mV Max（at 10A）
Operate time (at nominal volt.)	10 msec.Max.
Release time (at nominal volt.)	10 msec.Max.
Initial insulation resistance	100MΩ Min.(500VDC)
Nominal switching capacity (res. load)	25A 14VDC （at 23℃）
Max. switching current	30A
Max. switching voltage	16VDC

Contact Voltage	Rating type		contactrating current(A)		Duty factor		Endurance (cycles)	Material
			1C、1A		On s	Off s		
			NO	NC				
14VDC	Resistive Load	On	25	10	1 : 9		1×10^5	$AgSnO_2$
		Off	25	10				
	Mator Load	On	25	---	0.5 : 9.5		1×10^5	$AgSnO_2$
		Off	25	---				

Note:The experimental environment temperature is around 23℃.

Insulation Data

Insulation resistance	100MΩ Min.(500VDC)

Initial dielectric strength

Between open contacts: 500VAC, 50/60Hz 1min.
Between coil and contact: 500VAC, 50/60Hz 1min.

Durability Data

Mechanical endurance（18,000 ops./h）	1×10^7 ops

Electrical endurance（360 ops./h）

See the contact parameter table for details

Coil Data

NominalVoltageVDC	5	12	12	24
Rated current ±10%(mA)	178.6	75	54.3	37.5
Coil resistance ±10%(Ω)	28	160	221	640
Max. Allowable voltage (VDC)	6.6	16	16	32
Operate voltage（Max.）	≤3.75	≤6.5	≤7.7	≤13
Releasevoltage（Min.）	≥0.3	≥0.8	≥0.8	≥1.6
Coil power（W）	Approx0.9	Approx0.9	Approx0.65	Approx0.9

Other Data

Shock resistance

Functional: 100m/s² (pulse duration: 11ms)
Destructive: 1000m/s² (pulse duration: 6ms)

Vibration resistance

Functional: 10-100Hz,44.1m/s²
Destructive:10-500Hz,44.1m/s² ,2h

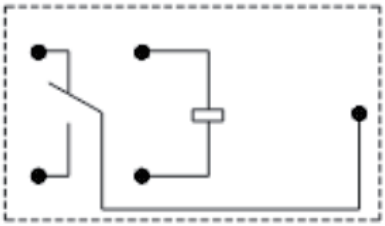
Ambient temperature	-40℃ to +110℃（no condensation）
Humidity	5% to 85%RH

Weight

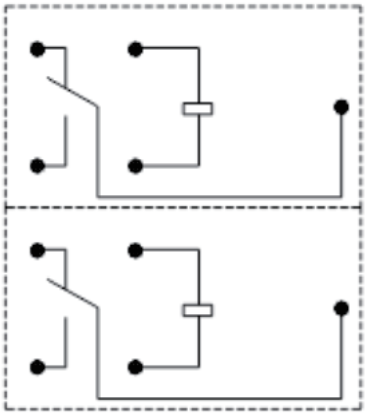
Single type: Approx 3.5 g ; Dual type: Approx 6.5g

Note:The above values are initial values.

Wiring Diagram (bottom view)

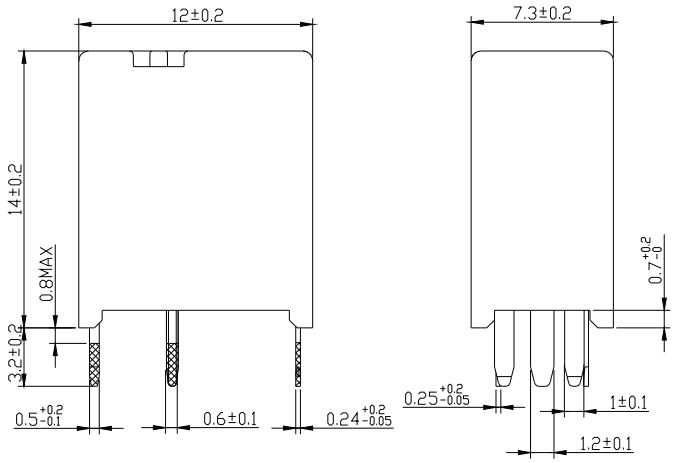


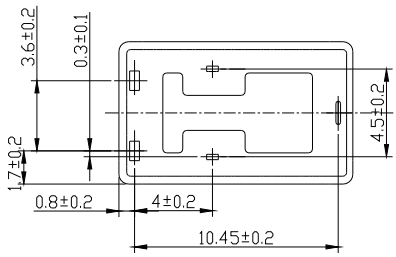
Single Relay

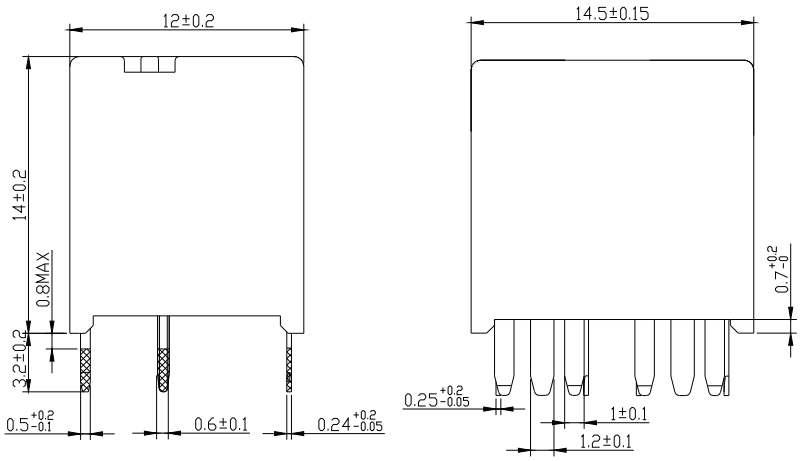


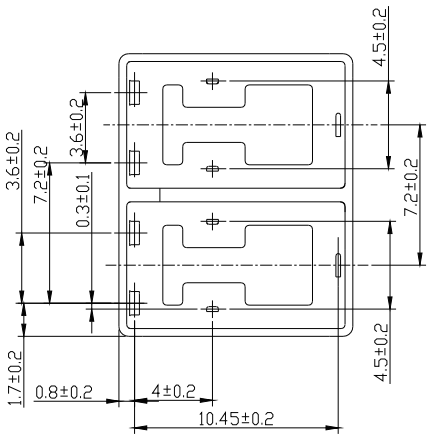
Dual Relay

Dimensions





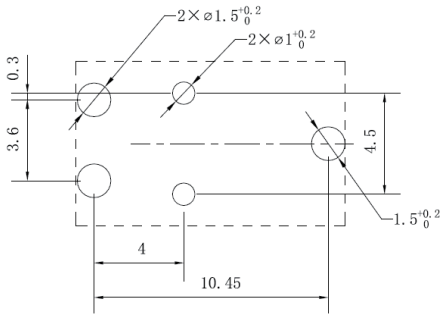




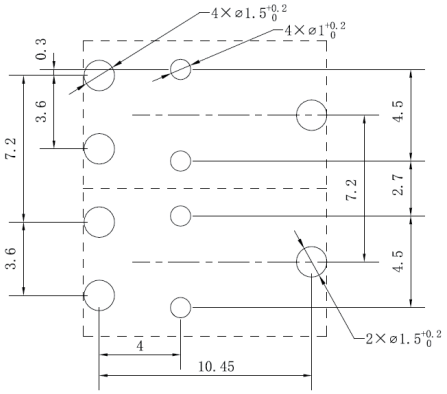
Unless otherwise specified:
If dimension < 1mm, tolerance: ±0.2mm;
If dimension 1~5mm, tolerance: ±0.3mm;
If dimension > 5mm, tolerance: ±0.4mm.

Note:
1. Terminal dimension is dimension before soldering.
2. Tolerance of P.C.B. layout: ±0.1mm.

P.C.B. Layout (top view)



Single Relay



Dual Relay

Ordering Information

SARI	-S	-1	12	D	-X	-XX (XX)	

See Remark (1)

Special Parameter: Nil-Standard type, B-Black case

Contact Form : Nil-Form C

Coil Power:D-0.9W, H-0.65W

Coil Power(VDC): 12, 24

Number of Poles: 1-single relay 2-dual relay

Protective Construction: S-Flux proofed ;SH-sealed type washable

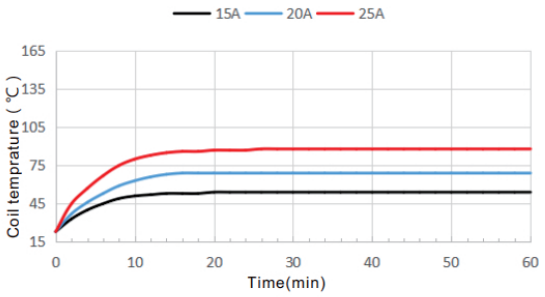
Type Designation:SARI

Note:

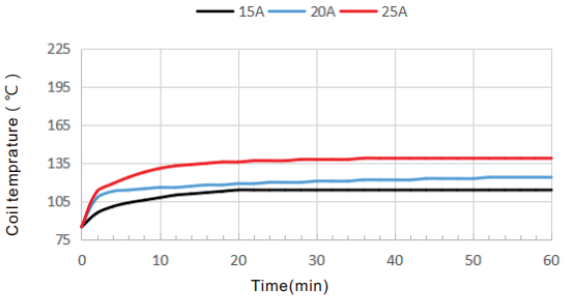
(1) Product Number, Like: (07) is modified product。

Characteristic Curves

Coil voltage:12VDC
Load current:15A,20A,25A
Environment temperature:23℃
Load wire specification:2.5mm², 14AWG



Coil voltage:12VDC
Load current:15A,20A,25A
Environment temperature:85℃
Load wire specification:2.5mm², 14AWG



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.

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