

● Features

- Ultra-miniaturized and light weight design
- Low coil power consumption
- Environmental friendly product (RoHS compliant)
- Dimension: 15.6 x 12.2 x 13.7 mm



● Application

- Central Door / Power Doors & Windows / Turning Lamp Control / Mirror Adjustment / Seat Adjustment / Speed-limit Indicator Control / Warm-up Control / Wiper Control, etc.

● Contact Data

Contact Arrangement	1A, 1C,	1U
Contact Material	Ag Alloy	
Contact Rating	NO: 20A 14VDC NC: 15A 14VDC	2x6A 14VDC
Max. Switching Power	280W	2x160W
Max. Switching Voltage	16VDC	
Max. Switching Current	35A	2x10A
Min. Contact Load	1A 6VDC	
Voltage Drop (initial)	Typ.: 50mV (at 10A) Max.: 250mV (at 10A)	
Contact Resistance	≤ 100mΩ	
Electrical Endurance	1x10 ⁵	
Mechanical Endurance	1x10 ⁷	

- Coil Parameter

0.6W Type

Coil Voltage (VDC)		Coil Resistance ($\Omega \pm 10\%$)	Pickup Voltage(max) (VDC)	Release Voltage(min) (VDC)	Coil Power Consumption (W)
Rated	Max.				
6	6.6	60	4.20	0.60	0.6
9	9.9	135	6.30	0.90	
12	13.2	240	8.40	1.20	
24	26.4	960	16.8	2.40	

0.8W Type

Coil Voltage (VDC)		Coil Resistance ($\Omega \pm 10\%$)	Pickup Voltage(max) (VDC)	Release Voltage(min) (VDC)	Coil Power Consumption (W)
Rated	Max.				
6	6.6	45	4.20	0.60	0.8
9	9.9	102	6.30	0.90	
12	13.2	180	8.40	1.20	
24	26.4	720	16.8	2.40	

- Operation Condition

Insulation Resistance		100M Ω min (at 500VDC)
Dielectric Strength	Between Contacts	500V, 50/60Hz 1 min.
	Between Contact and Coil	500V, 50/60Hz 1 min.
Shock Resistance	Operating Extremes	10G
	Damage Limits	100G
Vibration resistance	Operating Extremes	10~500Hz, 5.0G
	Damage Limits	10~500Hz, 5.0G
Ambient Temperature		-40~85°C (no freezing)
Operate Time		≤ 10 ms

● Operation Condition

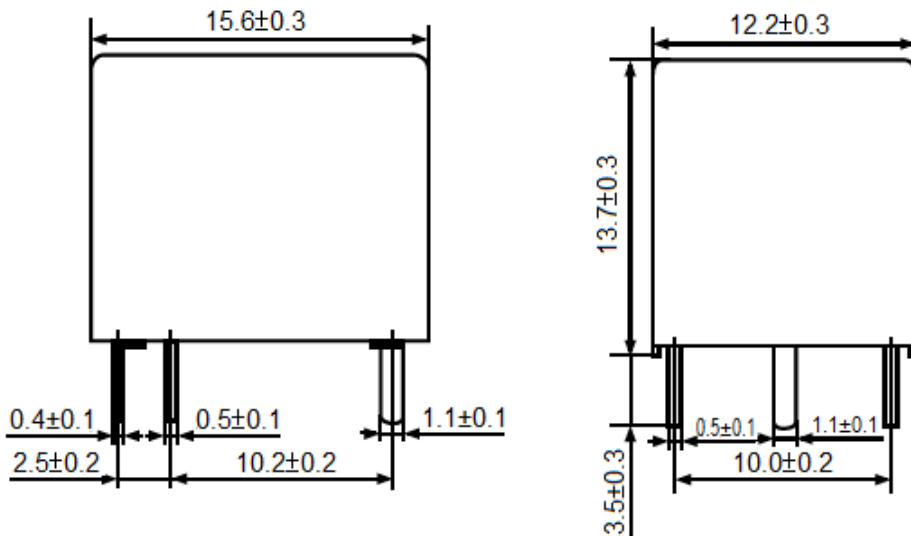
Release Time	$\leq 5\text{ms}$
Weight	Approx. 6.0g

● Ordering Information

	AC	-12D	80	-C	-S	(XXX)
Model						
Coil Voltage	6: 6VDC 9: 9VDC					
	12: 12VDC 24: 24VDC					
Coil Power	Nil: 0.60W 80: 0.80W					
Contact Arrangement	A: 1 Form A C: 1 Form C U: 1 Form U					
Construction	Nil: Flux tight S: Sealed					
Special Code	Nil: Standard XXX: Customer special requirement					

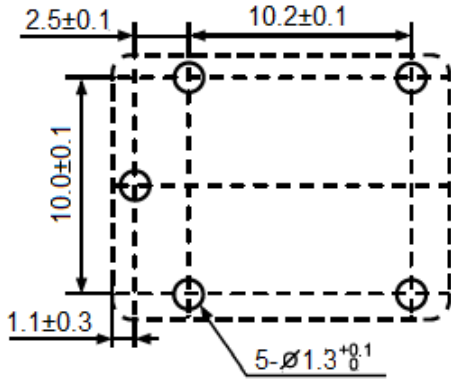
● Dimensions (UNIT: mm)

Outline Dimensions

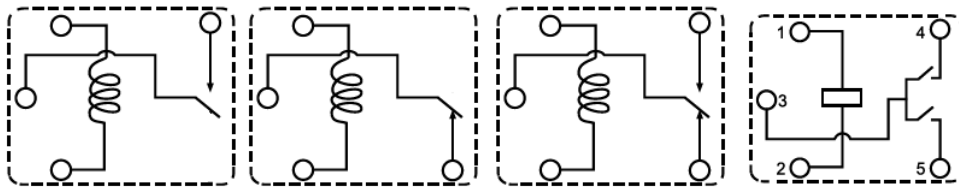


- Dimensions (UNIT: mm)

Mounting (Bottom views)



Wiring Diagram (Bottom views)



1A

1B

1C

1U

- Dimensions (UNIT: mm)

Electrical Endurance Curve Max. Switching Power (W) Coil Temperature Rise (at 23°C)

