

● Features

- 30A switching capability
- 1 Form A contact arrangement
- RoHS compliant
- Dimension: 24.2 x 23 x 28.5 mm
24.2 x 23 x 49.5 mm (Bracket)



● Application

- Power Window / Compressor / Cooling Fan Control / Headlight Control / Window & Mirror Defogger, etc.

● Contact Data

Contact Arrangement		1A	
Contact Material		Ag Alloy	
Contact Rating		30A 14VDC	15A 28VDC
Max. Switching Power		420W	
Max. Switching Voltage		14VDC	28VDC
Max. Switching Current		30A	15A
Contact Resistance		≤ 100mΩ	
Operation life	Electrical	1x10 ⁵	
	Mechanical	1x10 ⁷	

● Coil Parameter

Coil Voltage (VDC)		Coil Resistance (Ω±10%) at 23°C		Pickup Voltage (max) (VDC)	Release Voltage (min) (VDC)	Coil Power Consumption (W)	
Rated	Max.	without resistor	with R1 resistor			without resistor	with R1 resistor
12	15.6	100	680	8.4	1.2	approx.	approx.
24	31.2	400	2700	16.8	2.4	1.4	1.7

- Operation Condition

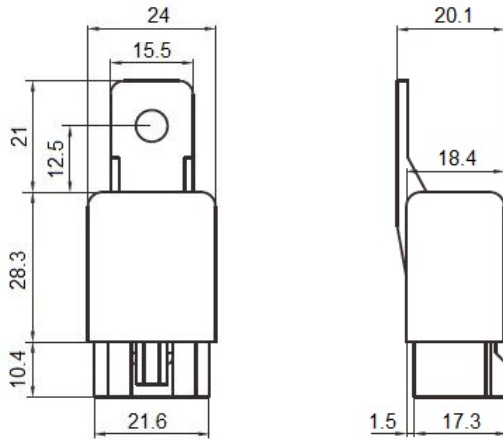
Insulation Resistance		100MΩ min (at 500VDC)
Dielectric Strength	Between Contacts	500VAC, 50/60Hz 1 min.
	Between Contact and Coil	500VAC, 50/60Hz 1 min.
Shock Resistance	Operating Extremes	10G
	Damage Limits	100G
Vibration Resistance	Operating Extremes	10~500Hz, 5.0G
	Damage Limits	10~500Hz, 5.0G
Ambient Temperature		-40~105°C (no freezing)
Operate Time		≤ 10ms
Release Time		≤ 5ms
Relative Humidity		5%~85%
Weight		Approx. 24g

- Ordering Information

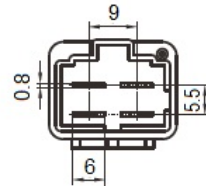
		APB	-12D	R	(XXX)
Model	AP: without bracket				
	APB: with bracket				
Coil Voltage	12: 12VDC 24: 24VDC				
Paralleled Component	Nil: Standard				
	R: with resistor (680Ω 12V) (2700Ω 24V)				
	D1: with diode (please refer to diagram) D2: with diode (please refer to diagram)				
Special Code	Nil: Standard XXX: Customer special requirement				

● Dimensions (UNIT: mm)

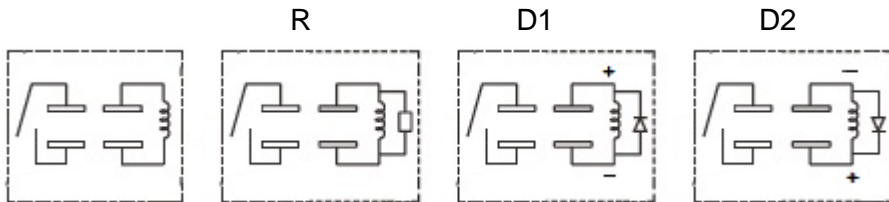
Outline Dimensions



Mounting (Bottom views)



Wiring Diagram (Bottom views)



● Engineering Data

