

● Features

- 25A switching capability
- 1 Form A contact arrangement
- RoHS compliant
- Dimension: 27 x 30 x 45 mm



● Application

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

● Contact Data

Contact Arrangement		1A
Contact Material		Ag Alloy
Contact Rating		22A 14VDC
Max. Switching Power		300W
Max. Switching Voltage		14VDC
Max. Switching Current		25A
Contact Resistance		≤ 100mΩ
Operation life	Electrical	1x10 ⁵
	Mechanical	1x10 ⁷

● Coil Parameter

Coil Voltage (VDC)		Coil Resistance (Ω±10%)	Pickup Voltage(max) (VDC)	Release Voltage(min) (VDC)	Coil Power Consumption (W)
Rated	Max.				
12	15.6	72	8.4	1.2	
24	31.2	288	16.8	2.4	

● Operation Condition

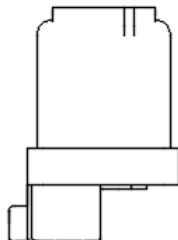
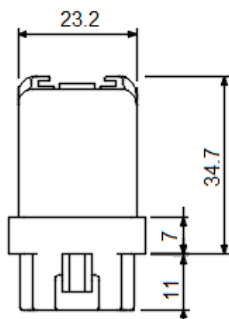
Insulation Resistance		100MΩ min (at 500VDC)
Dielectric Strength	Between Contacts	500VAC, 50/60Hz 1 min.
	Between Contact and Coil	750VAC, 50/60Hz 1 min.
Shock Resistance	Operating Extremes	10G
	Damage Limits	100G
Vibration Resistance	Operating Extremes	10~500Hz, 5.0G
	Damage Limits	10~500Hz, 5.0G
Ambient Temperature		-40~70°C (no freezing)
Operate Time		≤ 10ms
Release Time		≤ 7ms
Relative Humidity		5%~85%
Weight		Approx. 35g

● Ordering Information

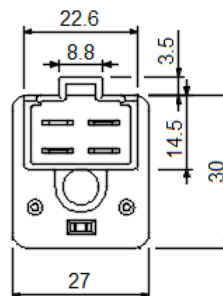
		AR	-12D	(XXX)
Model				
Coil Voltage	12: 12VDC	24: 24VDC		
Special Code	Nil: Standard	XXX: Customer special requirement		

● Dimensions (UNIT: mm)

Outline Dimensions



Mounting
(Bottom views)



Wiring Diagram
(Bottom views)

