

AUTOMOTIVE RELAY

KKAV4

Specification:

- 40A switching capability
- Normal Open & Switching forms
- Socket terminal & PCB solder for option
- Terminals standard complies with ISO 7588 PART 1



Application:

Rear defogger, battery circuit breaker, air conditioner, pump, fog light, cooling fan, headlight, start-stop control

Ordering Guide

Ordering Example	KKAV4	012	-1Z	-22	(XXX)
Type					
Coil Volt.	012:12VDC 024: 24VDC				
Contact	1H: NO 1Z: Switching				
Coil Material & Terminal Material	-12: Fe Pins for Coil, Cu Pins for Terminal -22: Cu Pins for Coil, Cu Pins for Terminal				
Special Type as client's requirement	XXX:				

Coil Ratings

23°C

Rated Volt. (VDC)	Pick-up Volt. (VDC)	Release Volt. (VDC)	Coil Res. X (1±10%) Ω	Parallel Res. X (1±5%) Ω	ESR X (1±10%) Ω	TDP (W)	Max. Voltage	
							23°C	85°C
12	≤8	≥1.2	80	--	--	1.8	20.2	15.7
12	≤8	≥1.2	90	680	79.5	1.8	20.2	15.7
24	≤16	≥2.4	320	--	--	1.8	40.5	31.5
24	≤16	≥2.4	320	2700	286	2.0	40.5	31.5

Contact Ratings

Contact Load Volt.	Payload Type		Contact Load Current			Break-make Ratio		Payload Type	Contact Material	Wiring Diagram
			1Z		1H	Switch on	Switch off			
			常开 NO	常闭 NC						
13.5VDC	Resistive Load	ON	40	30	40	2	2	1×10 ⁵	AgSnO ₂	See Diagram 1
		OFF	40	30	40					
	Light	ON	150	-	150	2	2	1×10 ⁵	AgSnO ₂	See Diagram 2
		OFF	30	-	30					
	Inductive Load	ON	80	40	80	2	2	1×10 ⁵	AgSnO ₂	See Diagram 3
		OFF	33	20	33					
27VDC	Resistive Load	ON	20	10	20	2	2	1×10 ⁵	AgSnO ₂	See Diagram 1
		OFF	20	10	20					

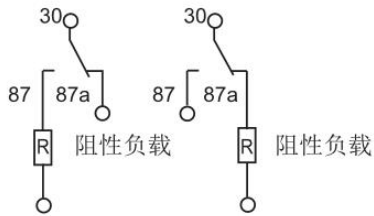


图1

Diagram 1

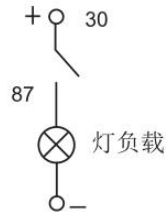


图2

Diagram 2

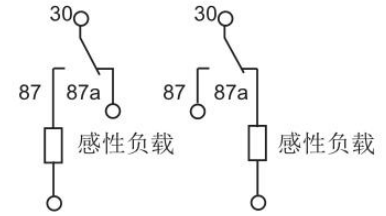
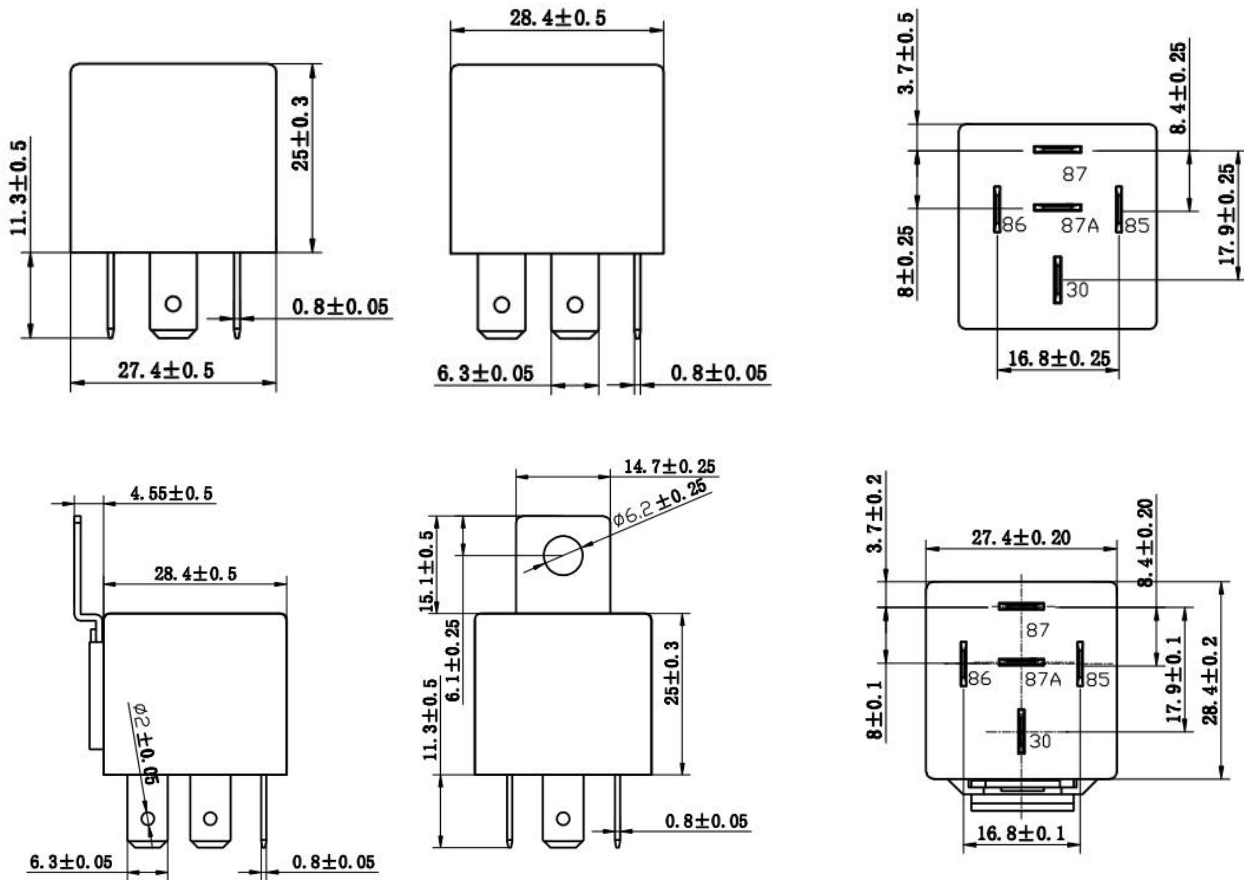


图3

Diagram 3

Dimensions

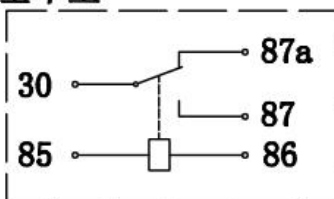


Remark: (1) In case of no tolerance shown in outline dimension: outline dimension ≤ 1 mm, tolerance should be ± 0.2 mm;
Outline dimension > 1 mm and ≤ 5 mm, tolerance should be ± 0.3 mm; outline dimension > 5 mm,
tolerance should be ± 0.4 mm.

The Wiring Diagram

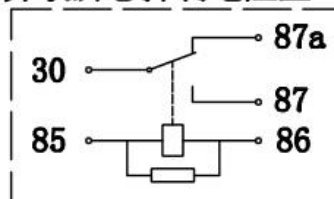
1. Standard Type

1. 基本型



2. Pararell transient suppression resistance Type

2. 并联瞬态抑制电阻型



3. Pararell transient suppression diode Type

3. 并联瞬态抑制二极管型

