



Features

- 60A switching capability.
- Transient suppression resistor available
- Plug-in terminals.
- Extended operation range.
- Optional mounting bracket.

Typical Applications

Rear window defogger, Battery disconnection, Air-conditioning,
Fuel pump control, Cooling fan (multi-speed), Fog lamp & headlight control.

CHARACTERISTICS

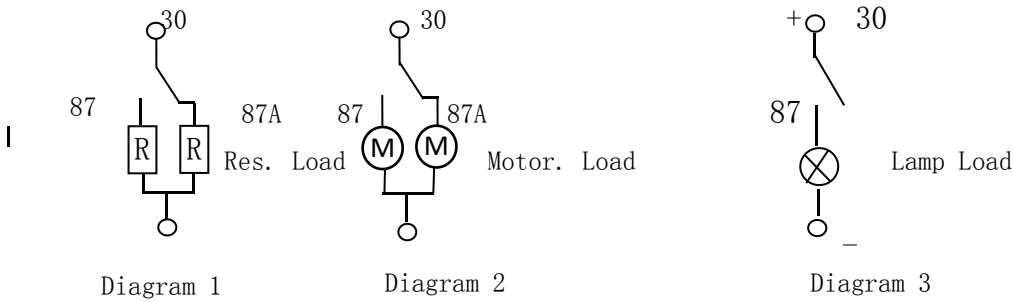
Contact Arrangement	1C, 1A	Coil power	1.6W
Contact voltage drop	Typ. 60mV (at 10A 13.5 VDC)	Coil Voltage	6VDC, 12VDC, 24VDC
	Max. 100mV (at 10A 13.5 VDC)	Operate time	Max.: 7ms
Initial contact resistance	Max. 50mΩ (at 1A 24 VDC)	Release time	Max.: 5ms
Electrical life	1.5×10^5 ops	Ambient temp.	-40°C ~ +105°C
Mechanical life	1×10^7 ops	Vibration Resistance	1.5mm, 10Hz to 40Hz
Max. switch current	60A/NO 30A/NC	Shock resistance	Functional 100m/s ²
Max. Make current ⁽¹⁾	180A (NO) /30A (NC)		Destructive 200m/s ³
Min. Applicable load	6VDC, 100mA	Termination	Plug-in & PCB
Insulation resistance	100MΩ, 500VDC	Weight	Approx. 33.2g
Dielectric Strength	550VAC 1min	Construction	Dust covered

Note(1): Inrush current for lamp load

CONTACT DATA

Nominal Voltage VDC	Load Version	Carry current (A)			Electrical life (ops)	Contact Material	Testing Ambient temp.	Contact Wiring Diagram	
		1C		1A					
		N. O.	N. C.	N. O.					
12 VDC	Res. 14VDC on/off	60	30	60	1.5×10^5	AgSnO ₂ In ₂ O ₃	23°C	Diagram 1	
	Motor	on	120	---	120	1×10^5	AgSnO ₂ In ₂ O ₃	23°C	Diagram 2
		off	30	---	30				
	Lamp	on	5*H4/100W	---	5*H4/100W	1×10^5	AgSnO ₂ In ₂ O ₃	23°C	Diagram 3
off		---							
24 VDC	Res. 24VDC on/off	40	20	40	1.5×10^5	AgSnO ₂ In ₂ O ₃	23°C	Diagram 1	

Contact Wiring Diagram



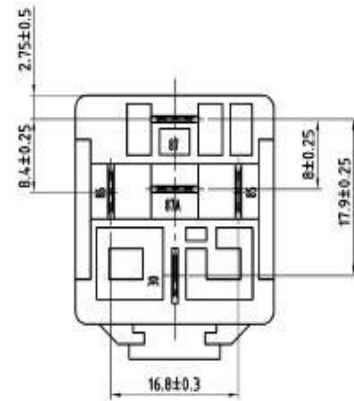
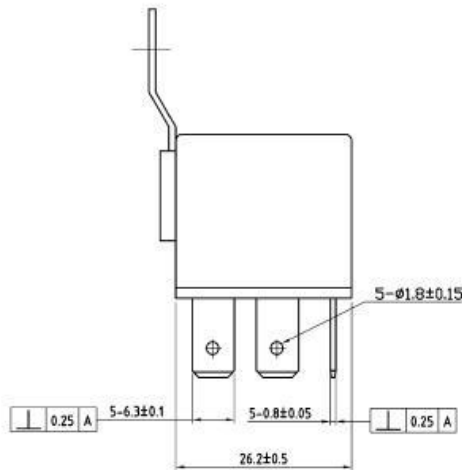
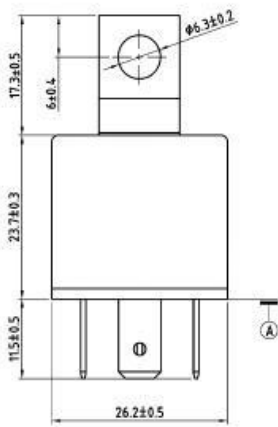
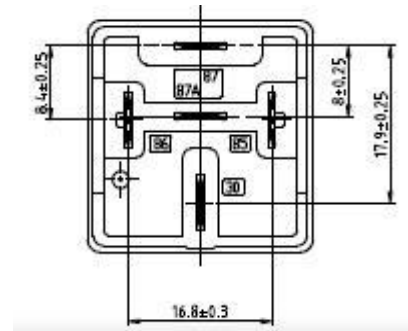
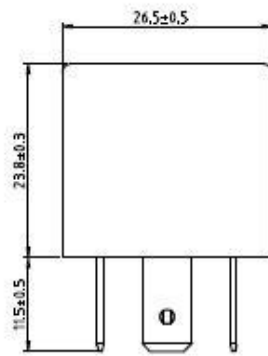
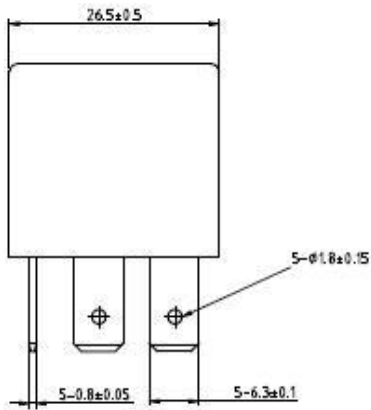
COIL DATA

23°C

Nominal Voltage VDC	Max. Allowable Overdrive VDC		Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Resistance $\Omega \pm 10\%$	Parallel Resistance Ω
	23°C	23°C				
6	10.1	7.9	<3.6	>0.6	22	
12	20.2	15.7	<7.2	>1.2	85	---
12	20.2	15.7	<7.2	>1.2	85	680
24	40.5	31.5	<14.4	>2.4	350	---
24	40.5	31.5	<14.4	>2.4	385	2700

ORDERING INFORMATION

	M6/	024-	1Z	1	G	D2	XXX
Relay Type							
Coil voltage	006:6VDC 012:12VDC 024:24VDC						
Contact arrangement	1H: 1 Form A 1Z: 1 Form C						
Version	1: QC Terminal 2: QC Terminal & Metal Shrouded						
Contact Material	G:AgSnO ₂ In ₂ O ₃ S: Special AgSnO ₂ In ₂ O ₃						
Parallel resistor	Nil: Without resistor R: With resistor D:Parallel diode (D1:anode on #86,D2:anode on #85)						
Customer special request code:							



Wiring Diagram

