



Features

- 40A switching capability.
- Ambient temp.: -40°C to 125°C.
- Extended operation range.
- PC board terminals.
- European & USA footprint are both available.
- Open and sealed IP67 available types.

Typical Applications

Turing lamp,dangerous signal & scamp control,Audio system,
Wiper motors control,Magnetic valves control,Air-conditioning,
Power windows and doors,Starter solenoid switches,Anti-theft lock.

CHARACTERRISTICS

Contact Arrangement	1C, 1A	Operate time	Max.5ms
Contact voltage drop	Typ.40mV (at 10A 13.5 VDC)	Release time	Max.3ms
	Max.100mV (at 10A 13.5 VDC)	Vibration Resistance	1.27mm,10 to 40Hz;40 to 70Hz,50m/s ² ;0.5mm,70 to 100Hz;100 to 500 Hz,100m/s ²
Initial contact resistance	Max.50mΩ (at 1A 24 VDC)		Shock resistance
Electrical life	1×10 ⁵ ops	Storage temp.	-40°C~ +155°C
Mechanical life	1×10 ⁷ ops	Ambient temp.	-40°C~ +125°C
Contact Rating	40A(NO)/30A(NC)	Termination	PCB
Max. switching voltage	75VDC	Weight	Open Approx.16g
Insulation resistance	100MΩ,500VDC		Sealed IP67 Approx.20g
Dielectric Strength	550VAC 1min	Construction	Sealed IP67 & Open
Coil power	1.2W to 1.8W		
Coil Voltage	6VDC,12VDC,24VDC		

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		40	30	40	1×10 ⁵	AgSnO ₂ In ₂ O ₃	23°C	Diagram 1
	13VDC Lamp	on	120	—	120	1×10 ⁵	AgSnO ₂ In ₂ O ₃	23°C	Diagram 2
		off	20	—	20				
24 VDC	Res. 27VDC on/off		30	20	30	1×10 ⁵	AgSnO ₂ In ₂ O ₃	23°C	Diagram 1
	27VDC Lamp	on	90	—	90	1×10 ⁵	AgSnO ₂ In ₂ O ₃	23°C	Diagram 2
		off	15	—	15				

Contact Wiring Diagram

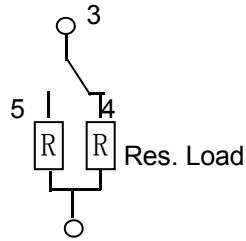


Diagram 1

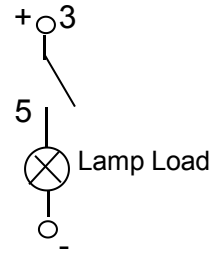


Diagram 2

COIL DATA

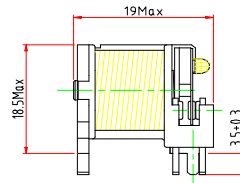
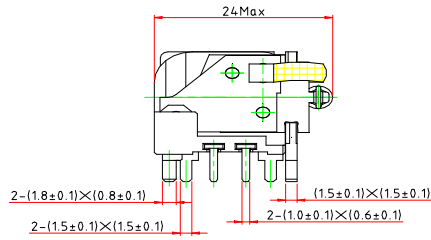
23°C

Coil Power	Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Resistance Ω $\pm 10\%$	Max. Allowable Overdrive VDC
Standard	6	<3.3	>0.6	19	9
	12	<6.8	>1.2	85	19.6
	24	<13.9	>2.4	350	39.3

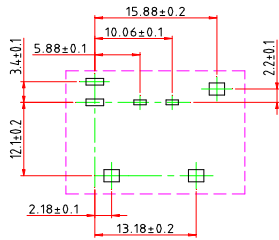
ORDERING INFORMATION

	NC3/	012-	1H	1	G	S2	XXX
Relay Type							
Coil voltage	006: 6vdc 012: 12vdc						
	024: 24vdc						
Contact arrangement	1H: 1 Form A 1Z: 1 Form C						
Footprint	1: European 2: USA						
Load type	G: High Load Nil: Standard						
Construction	Nil: Open Model S2: Sealed Model, 2 yoke terminals						
	S3: Sealed Model, 3 yoke terminals						
Customer special request code:							

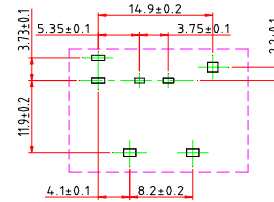
Open Type



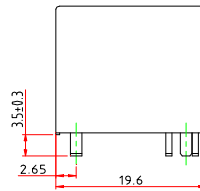
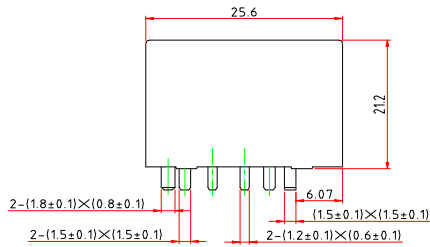
European footprint PC Board Layout



USA footprint PC Board Layout



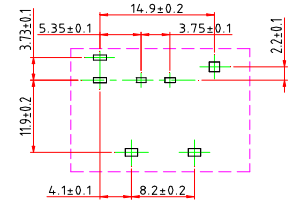
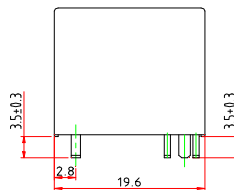
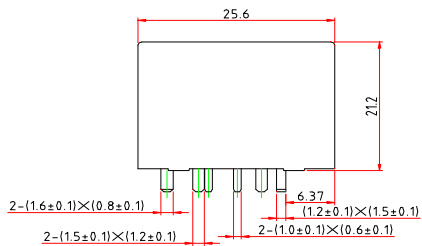
Sealed Type



European footprint PC Board Layout



PC Board Layout



Wiring Diagram

