



Character

- \diamondsuit 60A contact switching capability
- Only impulse excitation needed, both for single and double coil.
- Low power consumption with great load capability, small in size
- Custom assemblies available with flexible wire and/or copper straps and/or with integrated shunt
- \diamondsuit 4KV dielectric strength between coil and contacts
- ♦ RoHS compliant
- ♦ Outline dimensions: (38.5 x 30 x 16.5) mm

Contact Data

Contact Forn	n	1B			
Contact Mat	erial	AgSnO ₂			
Contact Res	istance	Max.1.0mΩ(1A 6VDC)			
Rated Load(F	Resistive)	60A 250VAC			
Max. Switch	ing Voltage	250VAC			
Max. Switch	ing Current	60A			
Max. Switch	ing Power	15000VA			
Service Life	Mechnical Endurance	1×10 ⁶ OPS			
Service Life	Electrical Endurance	1×10 ⁴ OPS			
May Short o	virguit Current	2000A/10ms			
Max. Short-circuit Current		4500A/10ms (no explosion)			

Characteristics

Operate Time		20ms Max.
Release Time		20ms Max.
Insulation Resistance (500VDC)		1000MΩ Min.
Dielectric Strength (50/60hz, 1min)	Contact to Coil	4000VAC
	Across Open Contacts	2000VAC
	Contact to contact	
Surge Voltage (1.2/50 μ s)	Contact to Coil	12KVAC
Creepage Distance		8mm
Unit Weight		About 50g

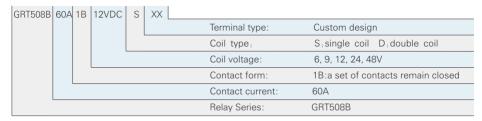
Environmental Data

Ambient Temperature	-40°C ~+85°C	Relative Humidity	5%-85% RH
Vibration	10-55Hz 1.5mm	Shock	98m/s2

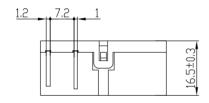
Coil Data (20°C)

Coil Voltage	Coil Resistance(Ω) $\pm 10\%$		Coil Power(w)		Operating Releasing		Allowing	Pulse
(VDC)	Single	Double	Single	Double	Voltage (VDC)	Voltage (VDC)	voltage (VDC)	Duration (ms)
□ 6	36	18/18	- - 1.0 -	2.0	≤4.2	≤4.2	9	· ≥50
□ 9	81	40.5/40.5			≤6.3	≤6.3	13.5	
<u> </u>	144	72/72			≤8.4	≤8.4	18	
□ 24	576	288/288			≤16.8	≤16.8	36	

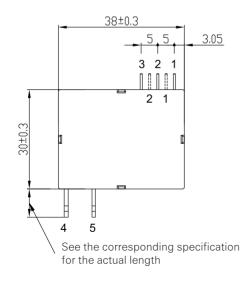
Ordering information

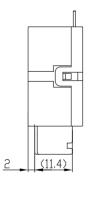


Dimensional Drawings/Wiring Diagrams(unit:mm)

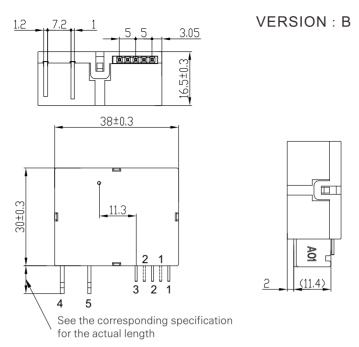


VERSION: A

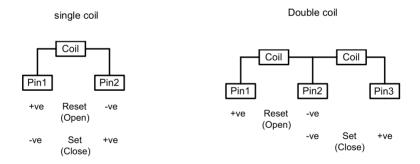




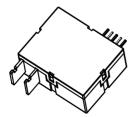
Note:1.For single coil, the pin marked as dotted line; 2.No dimensional tolerance noted: ± 0.3 mm.

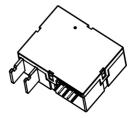


Note:1.For single coil, the pin marked as dotted line; 2.No dimensional tolerance noted: ± 0.3 mm.



Typical Terminal Type





Typical application



Notes:

- 1. The factory defaults of relay contacts is set to be closed (reset state), however, due to the transportation or installation, contacts may be impacted, and change its state, so it is necessary to take action to reset before usage (access to power)
- 2.To be sure latching relay operating reliably, the excitation voltage to coil is to be attained rating, the setting of pulse width should be more than rating, long time (more than 1 min) applied voltage to coil is not acceptable
- 3.PCB type latching relay, suggested welding temperature is 240[]-260[], time is 2S-5S. Please do not adopt reflow soldering. Normally, the temperature for wave soldering is required 250[] and time is \leq 2S.
- 4.Latching relay which is without copper braided wires, the load leading pin can neither be tin soldered nor be wrenched. Don't do any extra force to load
- 5. When screws or bolt is used for load leading terminal of latching relay, please be sure to connect tightly, in case of any damage or the other safety accident causing by over temperature rise.
- 6. Due to limited signal wire strength of coil or shunts, do not twist or pull the signal wire, it is easy to get it broken.
- 7.Please handle gently when doing coming inspection and usage, preventing falling to impact the parameters. Distinguish the product which needs destructive inspection with normal products when entering to the factory, forbidding using it.

Statement:

Product specification brochure is for reference only. GRT can't ensure relays meet all performance parameters in each specific application field.

Customers should choose the right products as per according to specific using conditions.