



GN



29.0*12.7*15.7 mm

Product Features

- ◆ Low power consumption :400mW
- ◆ Max.16A switching capacity
- ◆ Miniature, height 15.7mm
- ◆ Fit for home appliance control,communication devices,RF control,instruments,etc
- ◆ Environmental friendly product

Contact Rating

Contact Form	1A,1B,1C; 2A,2B,2C
Contact Material	AgNi AgSnO ₂
Contact Load Capacity	12A,16A/250VAC; 2*8A/250VAC; 1/2HP 250VAC
Switching Power Max.	480W 4000VA
Switching Voltage Max.	125VDC 440VAC
Switching Current Max.	16A
Contact Resistance	≤100mΩ(1A 6VDC)
Life expectancy	Electrical 10 ⁵
	Machanical 10 ⁷

Coil Rating (20℃)

Rated Coil Voltage (VDC)	Coil Voltage Max.	Pick up (≤VDC)	Drop out (≥VDC)	Coil Resistance (1±10%)Ω	Power (W)	Operate Time (ms)	Release Time (ms)
5	6.5	3.5	0.5	62	0.40	≤15	≤8
6	7.8	4.2	0.6	90			
9	11.7	6.3	0.9	202			
12	15.6	8.4	1.2	360			
18	23.4	12.6	1.8	810			
24	31.2	16.8	2.4	1440			
48	62.4	33.6	4.8	5760			
60	78.0	42.0	6.0	7500			

Technical Rating		
Insulation Resistance	Min.1000M Ω (500VDC)	IEC 255-5
Dielectric Strength		
Between contacts	50Hz 1000VAC 1min	IEC 255-5
Between contact groups	50Hz 2500VAC 1min	IEC 255-5
Between contacts and coil	50Hz 5000VAC 1min	IEC 255-5
Shock Resistance	98m/s ² 11ms	IEC 68-2-27 test Ea
Vibration Resistance	10Hz~150Hz 10g/5g	IEC 68-2-6 test Fc
Leading-out Terminal Strength	10N	IEC 68-2-21 test Ua1
Weldability	(235 $\pm$ 2) $^{\circ}$ C , (3 $\pm$ 0.5)s	IEC 68-2-20 test Ta way 1
Ambient Temperature	- 40 $^{\circ}$ C ~85 $^{\circ}$ C	
Relative Humidity	85% (40 $^{\circ}$ C)	IEC 68-2-3 test Ca
Weight	13.5g	

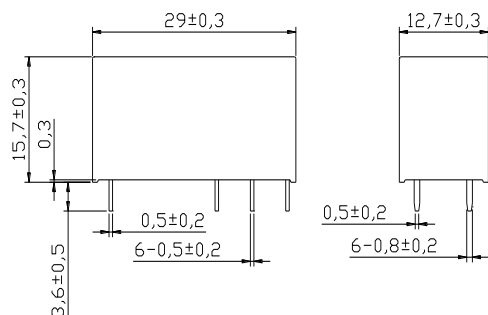
Designation					
GN	S	12VDC	2C	S	8
1	2	3	4	5	6
1、 Model No.: GN 2、 Terminal Distance: S: Ter.Distance 3.5mm; Nil: Ter.Distance 5mm 3、 Rated Coil Voltage: 5, 6, 9, 12, 18, 24, 48, 60(VDC) 4、 Contact Form: 1A, 1B, 1C; 2A, 2B, 2C 5、 Enclosure: S: Sealed type; Nil: Flux-tight type 6、 Contact Load Capacity: 8:8A, 12:12A, 16:16A					

Dimensions

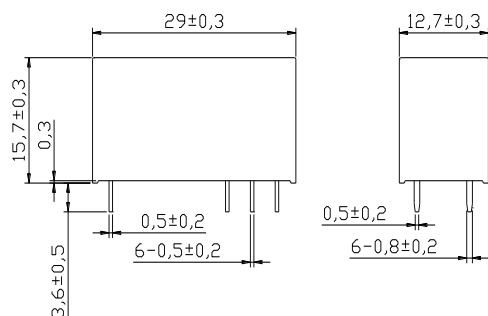
Unit: mm

Outline Dimension

Ter.Distance: 5mm

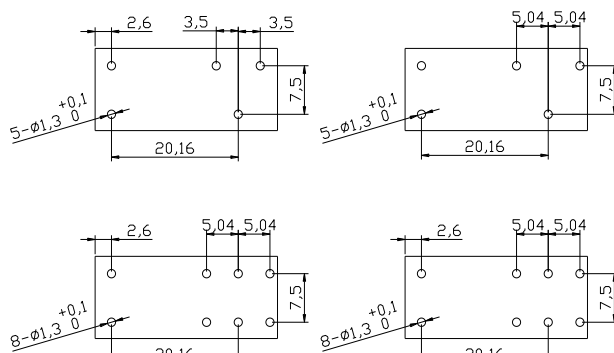


Ter.Distance: 3.5mm


Bottom View Layout

3.5mm 1 Pole 12A

5mm 1 Pole 12A



5mm 1 Pole 16A

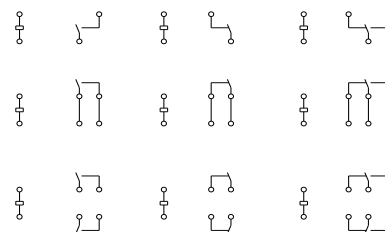
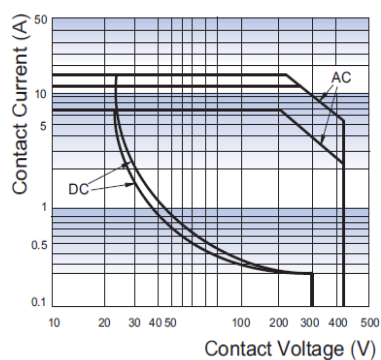
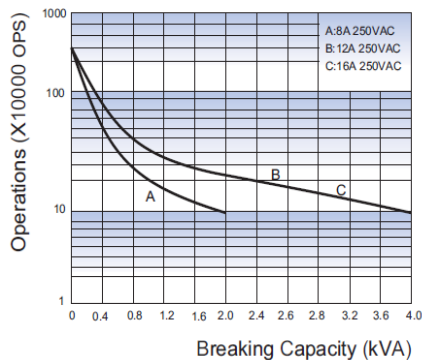
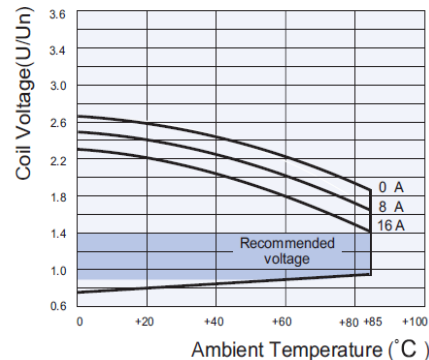
5mm 2 Poles 8A

Wiring Diagram (Bottom View)

3.5/5mm 1 Pole 12A

5mm 1 Pole 16A

5mm 2 Poles 8A


Engineering Data
MAXIMUM SWITCHING POWER

ENDURANCE CURVE

COIL OPERATING RANGE (DC)


Note: All specifications are for customers' reference only. Please contact us for any special requirements.