



# 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 <sub>2</sub>
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 <sup>5</sup>
	Machanical 10 <sup>7</sup>

### Coil Rating (20°C)

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			

<b>Technical Rating</b>		
Insulation Resistance	Min.1000MΩ(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 <sup>2</sup> 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±2)°C , (3±0.5)s	IEC 68-2-20 test Ta way 1
Ambient Temperature	- 40°C~85°C	
Relative Humidity	85% (40°C)	IEC 68-2-3 test Ca
Weight	13.5g	

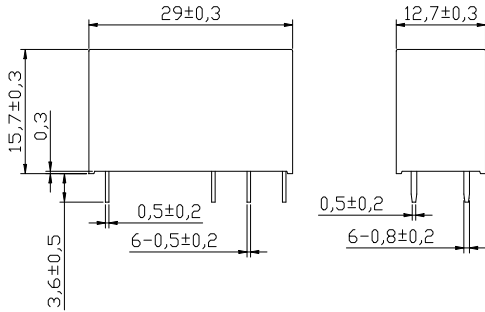
<b>Designation</b>					
<b><u>GN</u>—<u>S</u>—<u>12VDC</u>—<u>2C</u>—<u>S</u> <b>8</b></b>					
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1、 Model No.: GN 2、 Terminal Distance: S: Ter.Distance 3.5mm; Nil: Ter.Distance 5mm 3、 Rated Coil Voltage: 5, 6, 9, 12, 18, 24, 48, 60VDC 4、 Contact Form: 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

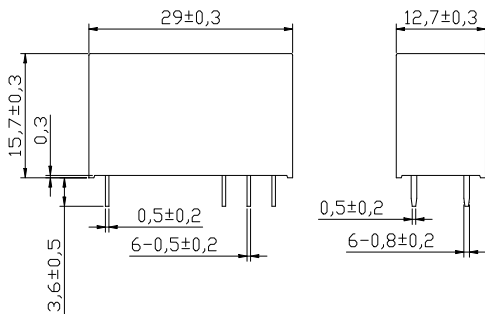
Unit: mm

Outline Dimension

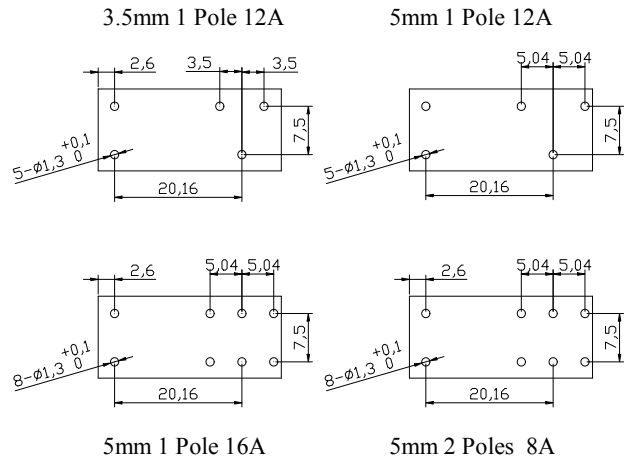
Ter.Distance: 5mm



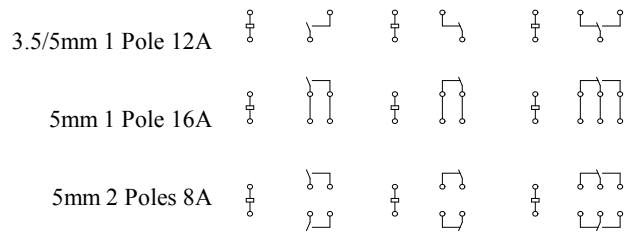
Ter.Distance: 3.5mm



Bottom View Layout

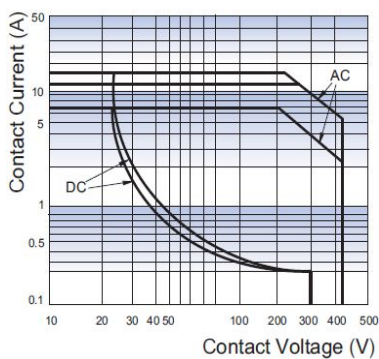


Wiring Diagram (Bottom View)

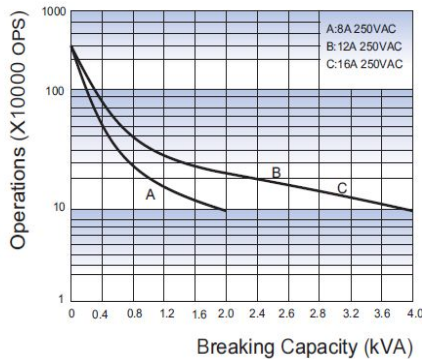


Engineering Data

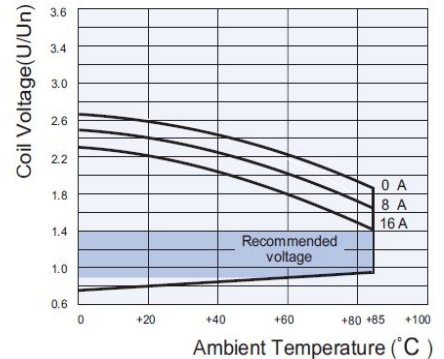
MAXIMUM SWITCHING POWER



ENDURANCE CURVE



COIL OPERATING RANGE (DC)



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