

### Specifications

Operating Speed	0.05mm-2m/sec
Operating Frequency	Mechanical: 120ops/min Electrical: 30 ops/min
Insulation Resistance	>100MΩ@500V DC
Contact Resistance	<25mΩ
Rated Voltage	500V AC (EN60947-5-1)
Rated Current	10A
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts
Service Life	Mechanically 1.0 x10 <sup>7</sup> (operations) Electrically 5 x10 <sup>5</sup> (operations)
Operating Temperature	-10~+80°C (14~176°F)
Humidity	< 95%RH
Weight	70g
Degree of Protection	IP65

### Features

- Glass-fiber reinforced plastic enclosure (94V-0)
- Hinged snap lid for quick and easy access
- Snap action or slow make & break contacts
- Lid hinges open to 135° (can also be easily detached)
- Galvanically separated contacts
- Screw terminals with self-lifting clamps for easy wiring
- Positive Opening of NC contacts
- 4 x 90° actuator positions
- Cable entry available: M 20, PG13.5 and 1/2"NPT
- Conform to EN 50047 standard

### Definitions of Operating Characteristics

- OF Operating Force
- RF Releasing Force
- OT Overtravel
- TT Total Travel
- PT Pretravel
- MD Movement Differential
- OP Operating Position
- PO Travel to Positive Opening



## Dimensions

Unit:mm

**SND4111-SP**  
Snap Action  
1NO/1NC

**SND4111-SL**  
Slow Action (Changeover)  
1NO/1NC

**SND4111-SL1**  
Slow Action (Overlapping)  
1NO/1NC

**SND4111-SL2**  
Slow Action  
2NC

SND4111

**SND4112-SP**  
Snap Action  
1NO/1NC

**SND4112-SL**  
Slow Action (Changeover)  
1NO/1NC

**SND4112-SL1**  
Slow Action (Overlapping)  
1NO/1NC

**SND4112-SL2**  
Slow Action  
2NC

SND4112

PLASTIC-BODIED LIMIT SWITCHES: SND4 SERIES



SND-4162-SP	SND-4162-SL	SND-4162-SL1	SND-4162-SL2
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SND4162

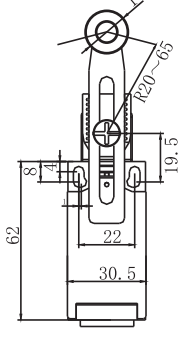
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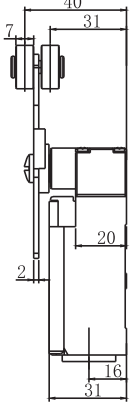
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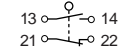
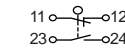
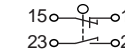
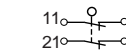
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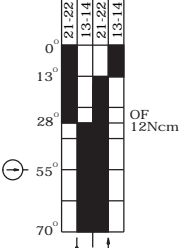
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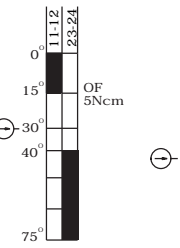


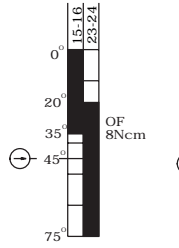


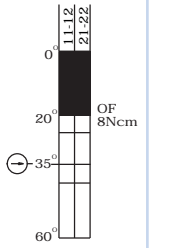


<p><b>SND-4108-SP</b></p> <p>Snap Action 1NO/1NC</p> <p>13 ○ 14 21 ○ 22</p> 	<p><b>SND-4108-SL</b></p> <p>Slow Action (Changeover) 1NO/1NC</p> <p>11 ○ 12 23 ○ 24</p> 	<p><b>SND-4108-SL1</b></p> <p>Slow Action (Overlapping) 1NO/1NC</p> <p>15 ○ 16 23 ○ 24</p> 	<p><b>SND-4108-SL2</b></p> <p>Slow Action 2NC</p> <p>11 ○ 12 21 ○ 22</p> 
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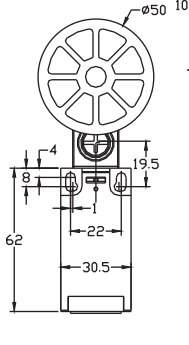


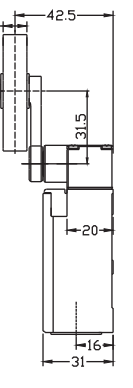


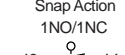
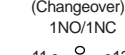
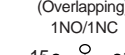
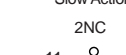


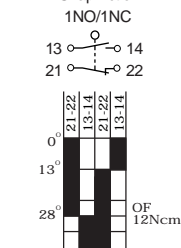
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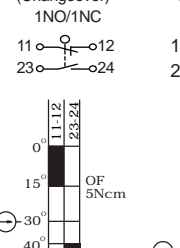


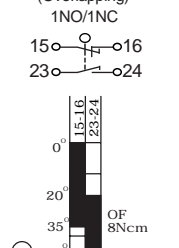


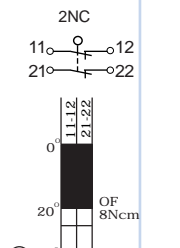


<p><b>SND-4114-SP</b></p> <p>Snap Action 1NO/1NC</p> <p>13 ○ 14 21 ○ 22</p> 	<p><b>SND-4114-SL</b></p> <p>Slow Action (Changeover) 1NO/1NC</p> <p>11 ○ 12 23 ○ 24</p> 	<p><b>SND-4114-SL1</b></p> <p>Slow Action (Overlapping) 1NO/1NC</p> <p>15 ○ 16 23 ○ 24</p> 	<p><b>SND-4114-SL2</b></p> <p>Slow Action 2NC</p> <p>11 ○ 12 21 ○ 22</p> 
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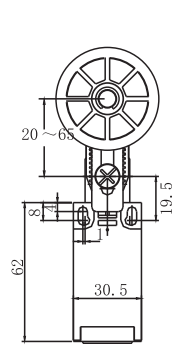


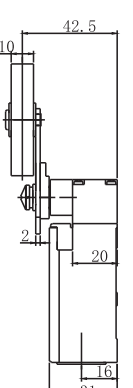


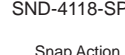
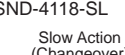
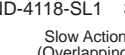
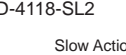


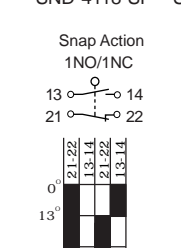
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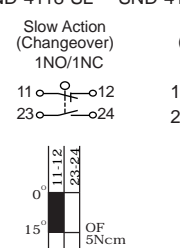


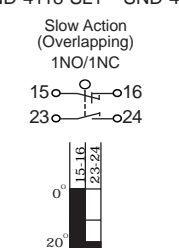


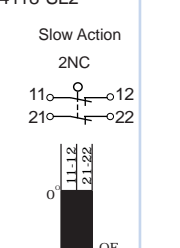


<p><b>SND-4118-SP</b></p> <p>Snap Action 1NO/1NC</p> <p>13 ○ 14 21 ○ 22</p> 	<p><b>SND-4118-SL</b></p> <p>Slow Action (Changeover) 1NO/1NC</p> <p>11 ○ 12 23 ○ 24</p> 	<p><b>SND-4118-SL1</b></p> <p>Slow Action (Overlapping) 1NO/1NC</p> <p>15 ○ 16 23 ○ 24</p> 	<p><b>SND-4118-SL2</b></p> <p>Slow Action 2NC</p> <p>11 ○ 12 21 ○ 22</p> 
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**SND4118**