

High power seesaw Switch SLS-800 Series

1/6

□ Features

- ◇ It is a seesaw switch for a high current.
- ◇ Sharp feeling.
- ◇ Cadmium is not used for contact.
- ◇ It suits insulation grade class II of EN61058-1.
- ◇ 3 point of contact interval mm or more.
- ◇ Various safety standards are acquired. (C-UL, SEMKO, TUV)
- ◇ 160A in rushing into current correspondence.
- ◇ The terminal shape prepares solder and tab terminal (#250).
- ◇ There are two kinds of circuit diagrams, that is, SPST and DPST.



□ Applications

- ◇ Data processing equipment and office equipment such as copiers, laser beam printer with high power consumption.

□ Product number system

SLS-a1-800b-cde

a : Circuit diagram / 1:SPST
2:DPST

b : Terminal shaped / Blank : Solder terminal
A: Tab terminal (#250)
B: Solder terminal bent 90 degrees. (only SPST)
C: Tab terminal (#250) bent 90 degrees (only SPST)

c : Marking / 0 : None
1 : I / O
2 : - / O

d : Knob color / B : Black

e : Case color / B : Black

□ Products line

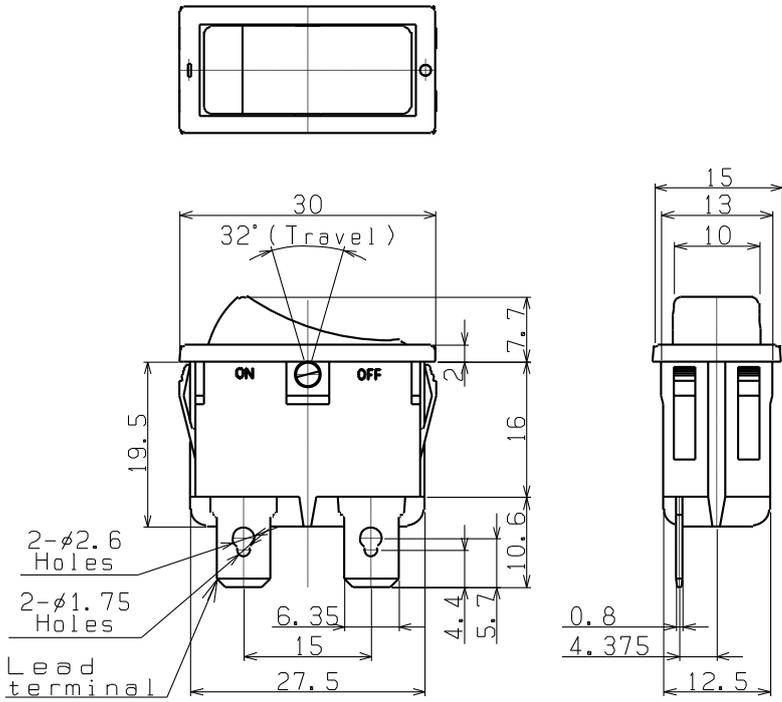
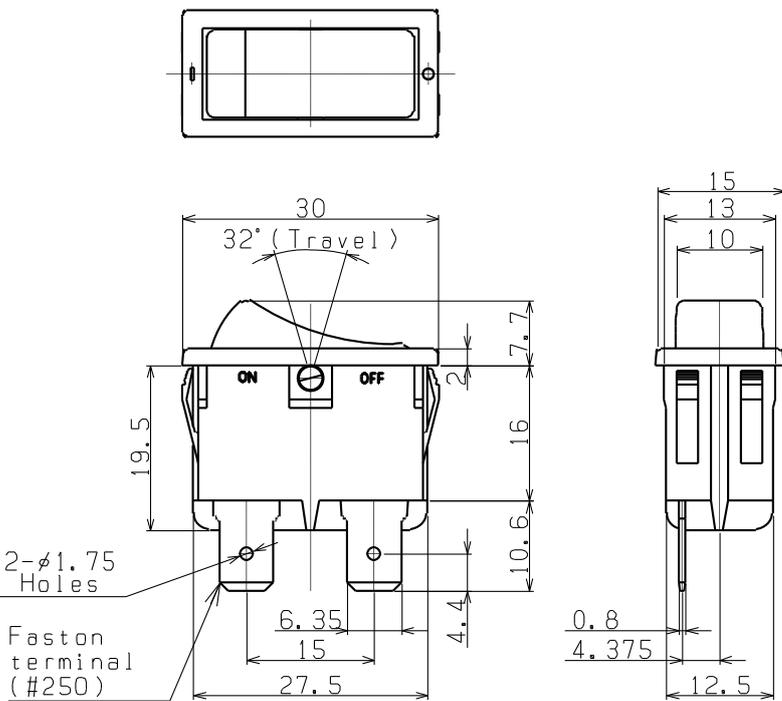
No	Products number	Circuit diagram	Terminal shaped	Marking	Operating force	
1	SLS-11-800-0BB	SPST	Solder	None	From 1.25 to 4.15N	
	SLS-11-800-1BB			I / O		
	SLS-11-800-2BB			- / O		
2	SLS-11-800A-0BB		Tab #250	None		From 1.25 to 4.15N
	SLS-11-800A-1BB			I / O		
	SLS-11-800A-2BB			- / O		
3	SLS-11-800B-0BB		Solder terminal bent 90 degrees.	None		From 1.25 to 4.15N
	SLS-11-800B-1BB			I / O		
	SLS-11-800B-2BB			- / O		
4	SLS-11-800C-0BB		Tab terminal (#250) bent 90 degrees	None		From 1.25 to 4.15N
	SLS-11-800C-1BB			I / O		
	SLS-11-800C-2BB			- / O		
5	SLS-21-800-0BB	DPST	Solder	None	From 2.95 to 7.85	
	SLS-21-800-1BB			I / O		
	SLS-21-800-2BB			- / O		
6	SLS-21-800A-0BB		Tab #250	None		From 2.95 to 7.85
	SLS-21-800A-1BB			I / O		
	SLS-21-800A-2BB			- / O		

□ Typical specifications

Items	Specifications
Rating (max)	16A 250VAC (c-UL) 16(6)/250~ (TUV)
Contact resistance	100 milliohm
Insulation resistance	500 megohm
Withstanding voltage	2,000VAC 1min.
Non-flame grade	UL94V-0
Operating life	10,000 cycles
Operation temperature range	From -10 to +70 degree Celsius
Storage temperature range	From -10 to +70 degree Celsius

Dimensions

Unit : mm

No	Style	Circuit diagram
1	<p>SLS-11-800-cde</p>  <p>The figure represents SLS-11-800-0BB.</p>	 <p>Circuit diagram [SPST]</p>
2	<p>SLS-11-800A-cde</p>  <p>The figure represents SLS-11-800A-0BB.</p>	<p>Circuit diagram [SPST]</p>

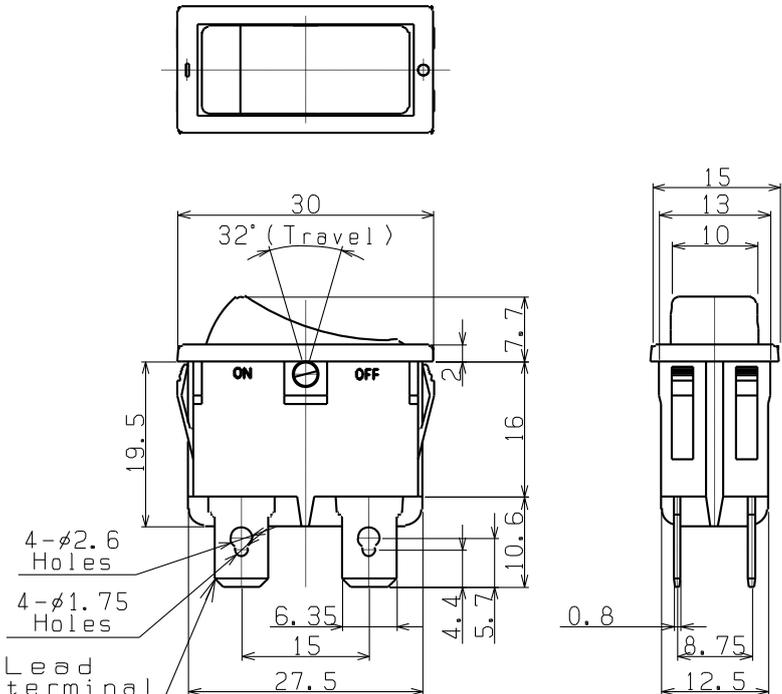
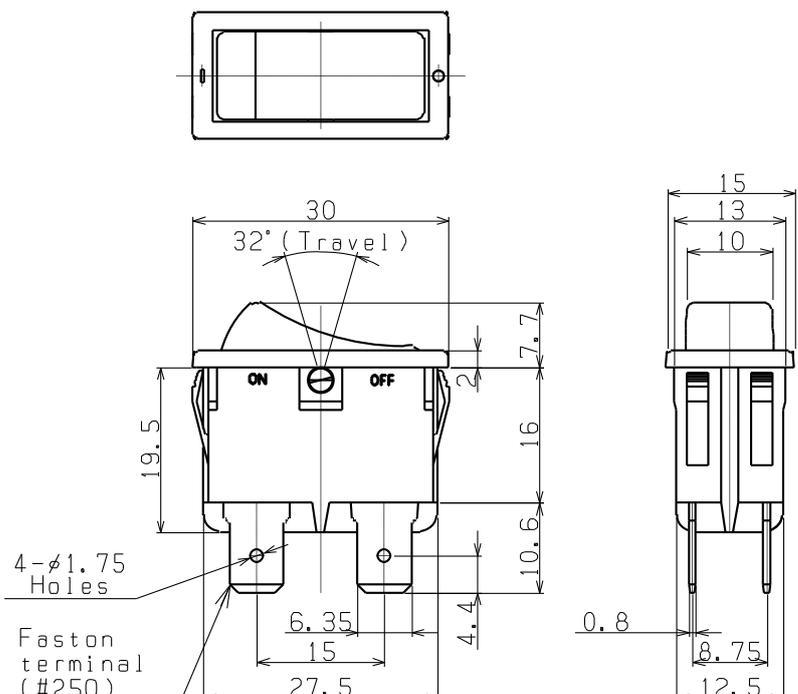
Dimensions

Unit : mm

No	Style	Circuit diagram
3	<p>SLS-11-800B-cde</p> <p>The figure represents SLS-11-800B-0BB.</p>	<p>Circuit diagram [SPST]</p>
4	<p>SLS-11-800C-cde</p> <p>The figure represents SLS-11-800C-0BB.</p>	<p>Circuit diagram [SPST]</p>

Dimensions

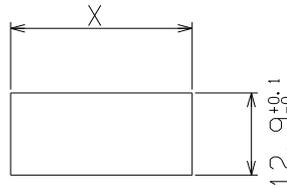
Unit : mm

No	Style	Circuit diagram
5	<p>SLS-21-800-cde</p>  <p>The figure represents SLS-21-800-0BB.</p>	 <p>Circuit diagram [SPDT]</p>
6	<p>SLS-21-800A-cde</p>  <p>The figure represents SLS-21-800A-0BB.</p>	 <p>Circuit diagram [SPDT]</p>

□ Dimensions

Unit : mm

Diagram of recommended locations for panel mounting holes (TOP VIEW)



Panel thickness	X
0.75~1.25 less	28.2 $^{+0.1}$
1.25~2 less	28.4 $^{+0.1}$

In the tone of the switch and the case, the black is standards. Please consult about other tones.

□ Notes

1. The appearance and specifications of the product may be modified to improve its performance without prior notice.
2. This catalog shows only outline specifications. When using the product, please obtain formal specifications.
3. Regardless of the applications of these products being introduced in this catalog, when using them for equipments and devices requiring a high degree of safety, respective manufacturers shall preserve the safety of the planned equipments and devices by providing necessary protective and redundancy circuits and reconfirm if safety is being duly preserved.
4. The general-use switches cannot be washed. If the switch is washed, the lubricating oil on contacts and mechanical portions may flow out and also detergent remains inside the switch, these may be the factors to cause intermittent contact, insulation fault and withstanding voltage fault. If you need the cleaning, please select the washable switch.
5. Please confirm the performance on actual operation by simulation with actual environment for high reliability.
6. An unstable contact may occur if the switch current is lower than 500mA in using power switches, for such weak current can not destroy the thin film on the contact surfaces, and be mindful of this point thoroughly in advance.
7. Note that if the stress more than specifications is applied to the switch during the operation, they might cause deformation and defects in electrical performance. Care shall be taken not to apply abnormal stress to the switch.
8. Insert the switch body to the specified mounting surface and mount it horizontally. If not mounted horizontally, the switch will malfunction.
9. In manual soldering, consider that the abnormal pressure of the soldering iron shall not be applied to the tip of the terminal as well do not apply any pressure for more than 1 minute after soldering.
10. If the switches are used in the following environment, the performance and the characteristics may have bad influence. Under the environment of corrosive gas such as Cl₂, H₂S, NO₂, SO₂, NH₃. At the place of the possibility of the attachment of water-drop, moisture, salty water, oil, agent and organic solvent. Under the places of direct sunshine and dusty environment.
11. If the switches are not used immediately, please store them as delivered in the following environment: with temperature at -10 to +60 degree C, relative humidity 25 to 75% without water-drop and direct sunshine. There might be the possibility of the chemical action by sulfur at silver plated terminal, which leads to the reduction of solderability and creation of the oxidization and the rust if the switches are stored in the high temperature and high humid environment for a long time (approx. 6 months). After the break of the seal, the remaining of the switches shall be stored in a plastic bag to separate them from the moisture and corrosive gas.