

High Current Slide Switch

SLS-24-730-1

1/2

Features

- ◇ They are mainly switches for a circuit change, such as a heater.
- ◇ It excels in a main part height of 7.5mm, and the thin shape at the space factor.
- ◇ Cadmium is not using for contact.
- ◇ Resin uses non-flame grade.



Applications

- ◇ Circuit switching for hot carpet etc.

Products line

No	Products number	Poles	Positions	Travel	Terminal shape
1	SLS-24-730-1	2	4	5	Print

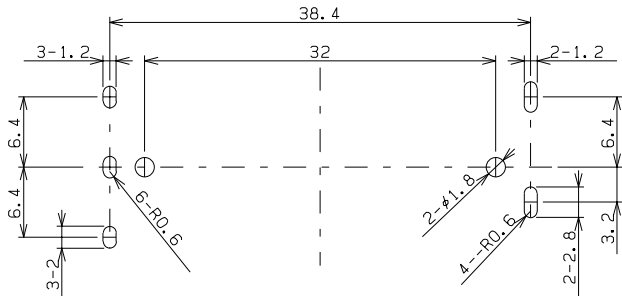
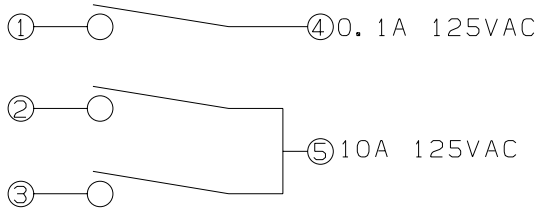
Typical specifications

Items	Specifications
Rating (max) (resistive load)	0.1A 125VAC (circuit 1-4) / 10A 125VAC (circuit 5-2-3)
Contact resistance	30 milliohm
Insulation resistance	100 megohm
Withstanding voltage	1,500VAC 1min.
Operating force	From 2.94N(300gf) to 5.39N(550gf) A-B : From 2.45N(250gf) to 3.98N(400gf) B-A : From 5.39N(550gf) to 7.35N(750gf)
Operating life	10,000 cycles
Operation temperature range	From -10 to +75 degree Celsius
Storage temperature range	From -20 to +75 degree Celsius

Dimensions

Unit : mm

No	Style
1	SLS-24-730-1 Technical drawing showing dimensions for the SLS-24-730-1 slide switch. The drawing includes top, side, and front views. Key dimensions include: overall width 36mm, terminal pitch 1.4mm, terminal width 1.25mm, terminal height 10.5mm, terminal spacing 11.2mm (21.7mm total), terminal thickness 0.5mm, terminal length 5.15mm, terminal width 2.6mm, terminal spacing 4mm, terminal width 2mm, terminal length 0.5mm, terminal width 5mm, terminal length 1.5mm, terminal width 0.25mm, terminal length 7.5mm, terminal width 1.5mm, terminal length 0.5mm, terminal width 2.9mm, terminal length 6.4mm, terminal width 3-1.5mm, terminal length 6.4mm, terminal width 0.4mm, terminal length 38mm, terminal width 0.25mm, terminal length 1.5mm, terminal width 7.5mm, terminal length 0.5mm, terminal width 2.9mm, terminal length 6.4mm, terminal width 3.2mm, terminal length 2-2.5mm, terminal width 4mm, terminal length 5mm, terminal width 0.5mm, terminal length 2.9mm, terminal width 6.4mm, terminal length 6.4mm, terminal width 4-#2, terminal length 2-#1.6.

No	PC board mounting hole dimension (TOP VIEW)	Circuit diagram																								
1		<table><tr><th colspan="4">Knob position</th><th rowspan="2">Circuit</th></tr><tr><th>D</th><th>C</th><th>B</th><th>A</th></tr><tr><td>O N</td><td>O N</td><td>O N</td><td>OFF</td><td>1-4</td></tr><tr><td>OFF</td><td>O N</td><td>O N</td><td>OFF</td><td>2-5</td></tr><tr><td>O N</td><td>OFF</td><td>O N</td><td>OFF</td><td>3-5</td></tr></table> 	Knob position				Circuit	D	C	B	A	O N	O N	O N	OFF	1-4	OFF	O N	O N	OFF	2-5	O N	OFF	O N	OFF	3-5
Knob position				Circuit																						
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O N	O N	O N	OFF	1-4																						
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Notes

- The appearance and specifications of the product may be modified to improve its performance without prior notice.
- This catalog shows only outline specifications. When using the product, please obtain formal specifications.
- 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.
- 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.
- Please confirm the performance on actual operation by simulation with actual environment for high reliability.
- 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.
- 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.
- Insert the switch body to the specified mounting surface and mount it horizontally. If not mounted horizontally, the switch will malfunction.
- In case of the soldering of the slide switches, it shall be made after the operating knob changes over completely. If the soldering goes on in course of switching, operating force may fall greatly.
- 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.
- 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 Cl_2 , H_2S , NO_2 , SO_2 , NH_3 . 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.
- 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.