

Outline of the Series

This series offers a compact design with ratings up to 10A, all at an affordable price. Available types include toggle, rocker, push-button, and slide switches.

Features of the Series



1. All standard models use UL94 V-1 certified flame-retardant resin for the case material.
2. The contact structure is designed to minimize bounce, ensuring stable opening and closing.
3. Despite being rated for 10A, all models are compact and cost-effective (compared to our conventional products), while maintaining high performance.
4. Terminal sealing prevents flux from entering the case during soldering.
5. An integrated terminal-contact clinch structure is adopted, ensuring that even if the case becomes deformed due to soldering heat, no electrical failure will occur.

Common Specifications

■ Ratings □ = Type of Terminals Symbol

Symbol	0 □	1 □	Load	Notes
Voltage				
AC125/250V	10A	6A	Resistive Load	Load only with Resistive, Power Factor=1
DC30V	10A	6A		

* A resistive load refers to a load consisting solely of resistance. In actual circuits, however, there may be inductive, capacitive, or motor loads, each of which can generate inrush current. Therefore, when selecting a switch, be sure to choose a rating with sufficient margin above the steady-state current.

For more details, please refer to "Useful Advices and Precautions on Usage of Operational Switches."

Contact Resistance	10 mΩ Max. (DC2V 1A) (Initial value)
Withstanding Voltage	AC1,500V 1 Minute
Insulating Resistance	1,000MΩ Min. (DC500V)
Electrical Life	10,000 times
Operating Temperature Range	-20℃～+70℃
Storage Temperature Range	-20℃～+70℃
Hand-soldering Conditions	350±3℃ within 3 sec.

Packaging Quantity

100 pcs

* For products other than those listed above or for custom items, please contact us.

Product Designations

Series Name

B

Operational-part Type

S

Switch Functions

A

Current Capacity

0

Type of Terminals

1

Operational-part	Symbol
Slide	S

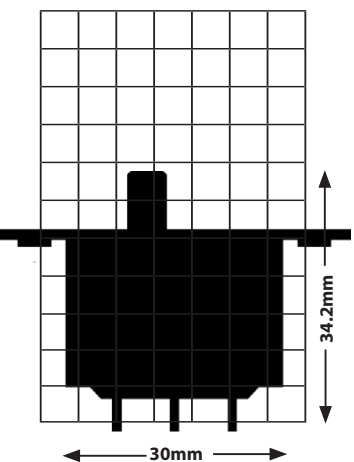
Current Capacity	Symbol
10A 125/250V AC	0
6A 125/250V AC	1

SwitchFunctions			Symbol	
The Opposite Side	Center	Key Thread Side	SP	DP
ON	-	OFF	A	K
ON	-	ON	D	N
ON	OFF	ON	E	P

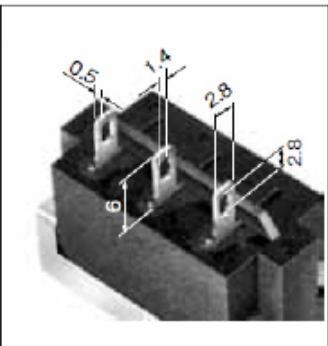
Type of Terminals	Symbol
Solder Lug	1
Quick Connect Terminal #110	3

■ Examples of Terminal Figures (SP, ON-ON, ON-OFF)

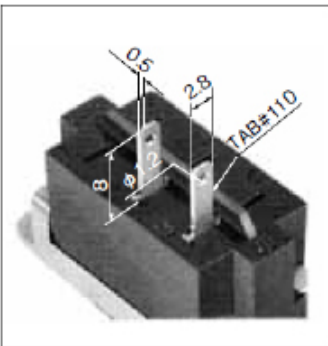
Silhouette (BSD01)



Solder Lug (ON-ON)



Quick Connect terminal#110 (ON-OFF)



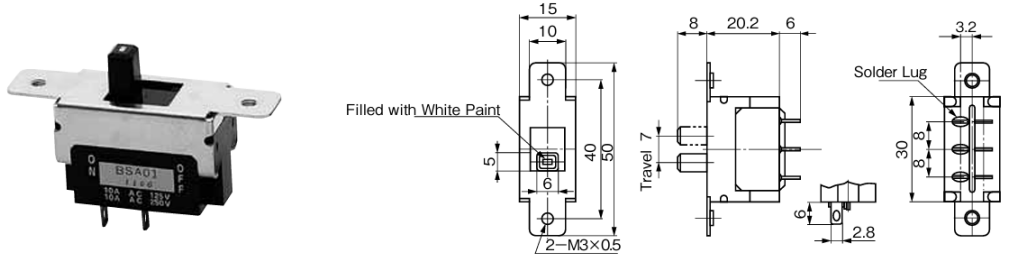
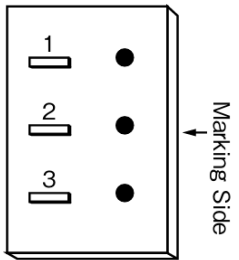
* For products other than those listed above or for custom items, please contact us.

Switch Names, Functions, Terminal Diagram

S P

Product Name	Resistive Load	Product Name	Resistive Load	Circuit	Functions <=> Momentary		
	AC125/250V DC30V		AC125/250V DC30V				
BSA01	10A	BSA11	6A	SPST	OFF	—	ON 2-3
BSD01	10A	BSD11	6A	SPDT	ON 2-1	—	ON 2-3
BSE01	10A	BSE11	6A	SPDT	ON 2-1	OFF	ON 2-3

Terminal Diagram

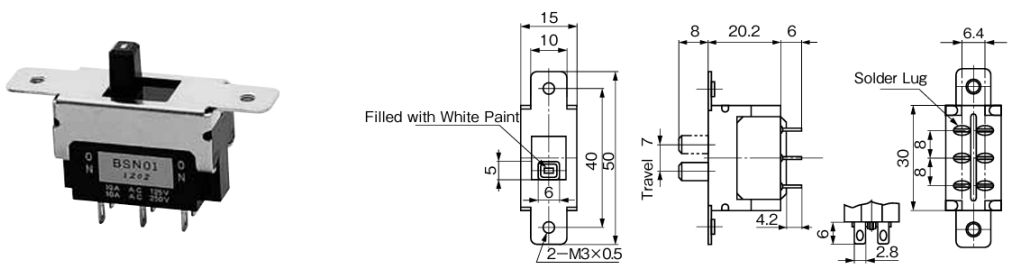
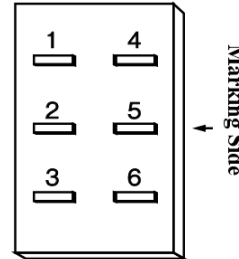


❖ Utilizing the single side of the case for DP

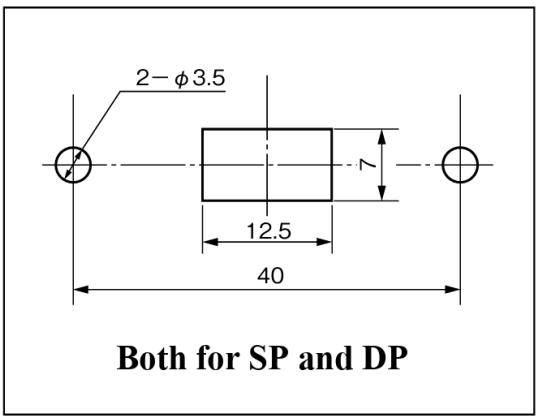
D P

Product Name	Resistive Load	Product Name	Resistive Load	Circuit	Functions <=> Momentary		
	AC125/250V DC30V		AC125/250V DC30V				
BSK01	10A	BSK11	6A	DPST	OFF	—	ON 2-3 5-6
BSN01	10A	BSN11	6A	DPDT	ON 2-1 5-4	—	ON 2-3 5-6
BSP01	10A	BSP11	6A	DPDT	ON 2-1 5-4	OFF	ON 2-3 5-6

Terminal Diagram



Mounting Hole Dimensions



* For products other than those listed above or for custom items, please contact us.

Compliance with the European RoHS Directive

All DIP switches, control switches, connectors, and terminal blocks manufactured by OTAX with the following RoHS Directive:

Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Our products do not contain any of the ten specified hazardous substances (except for exempted applications):

Lead (Pb) Mercury (Hg) Cadmium (Cd) Hexavalent chromium (Cr⁶⁺) Polybrominated biphenyls (PBB)

Polybrominated diphenyl ethers (PBDE) Di(2-ethylhexyl) phthalate (DEHP) Butyl benzyl phthalate (BBP)

Dibutyl phthalate (DBP) Diisobutyl phthalate (DIBP)

* For products other than those listed above or for custom items, please contact us.