

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 Voltage	0 □	1 □	Load	Notes
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

Product Designations

Series Name	Operational-part Type	Switch Functions	Current Capacity	Type of Terminals
B	L	A	0	1

Operational-part	Symbol
Rocker	L

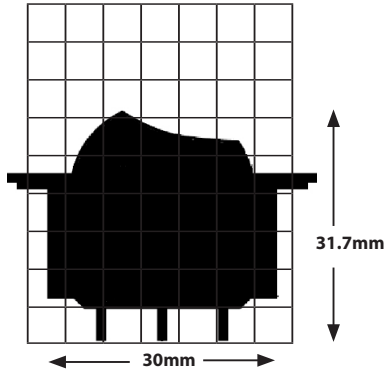
Current Capacity	Symbol
10A 125/250V AC	0
6A 125/250V AC	1

SwitchFunctions			Symbol	
Left Down	Center	Right Down	SP	DP
ON	-	OFF	A	K
ON	-	ON	D	N
ON	OFF	ON	E	P
ON	-	<ON>	F	R
<ON>	OFF	<ON>	G	S

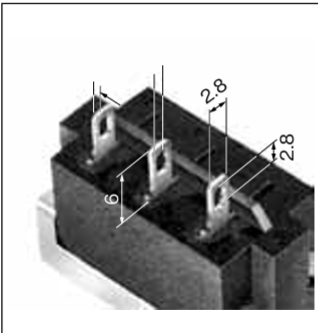
< > = Momentary

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

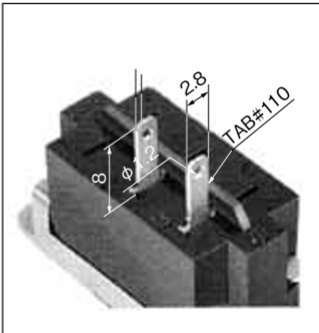
Silhouette (BLD01)



Solder Lug



Quick Connect #110

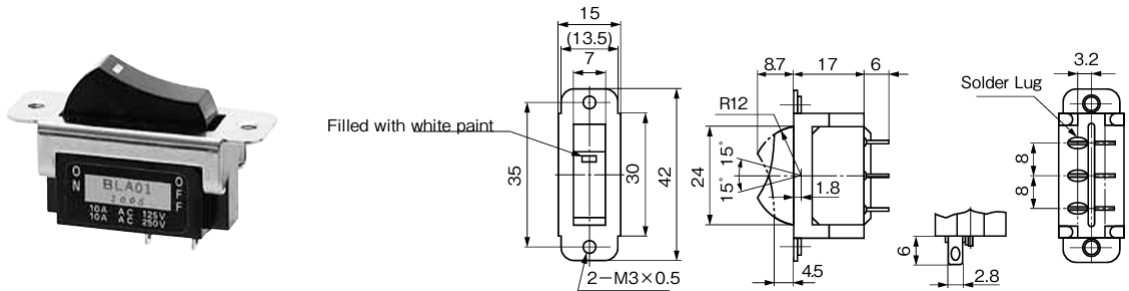
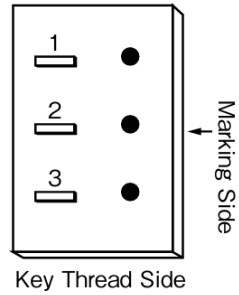


Switch Names, Functions, Terminal Diagram

S P

Product Name	Resistive Load	Product Name	Resistive Load	Circuit	Functions <> = Momentary		
	AC125/250V DC30V		AC125/250V DC30V				
BLA01	10A	BLA11	6A	SPST	ON 2-3	—	OFF
BLD01	10A	BLD11	6A	SPDT	ON 2-3	—	ON 2-1
BLE01	10A	BLE11	6A	SPDT	ON 2-3	OFF	ON 2-1
BLF01	10A	BLF11	6A	SPDT	ON 2-3	—	<ON> 2-1
BLG01	10A	BLG11	6A	SPDT	<ON> 2-3	OFF	<ON> 2-1

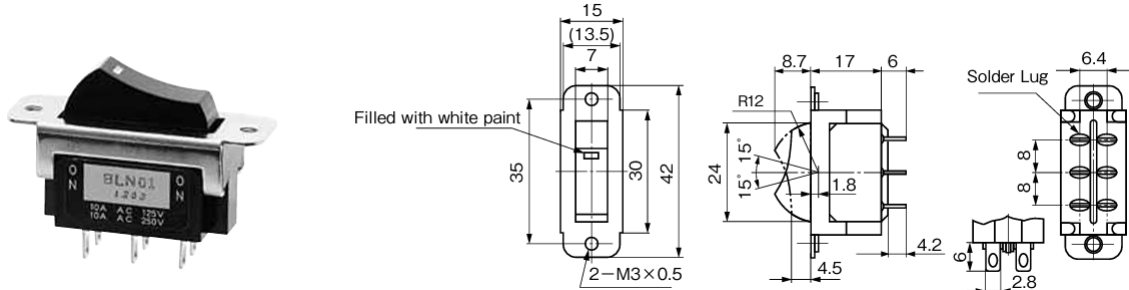
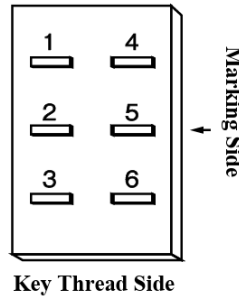
Terminal Diagram



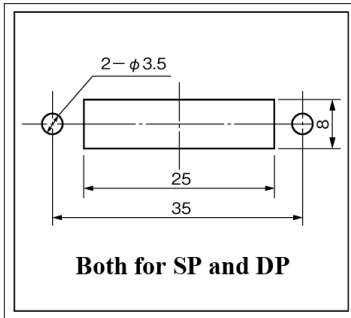
D P

Product Name	Resistive Load	Product Name	Resistive Load	Circuit	Functions <> = Momentary		
	AC125/250V DC30V		AC125/250V DC30V				
BLK01	10A	BLK11	6A	DPST	ON 2-3 5-6	—	OFF
BLN01	10A	BLN11	6A	DPDT	ON 2-3 5-6	—	ON 2-1 5-4
BLP01	10A	BLP11	6A	DPDT	ON 2-3 5-6	OFF	ON 2-1 5-4
BLR01	10A	BLR11	6A	DPDT	ON 2-3 5-6	—	<ON> 2-1 5-4
BLS01	10A	BLS11	6A	DPDT	<ON> 2-3 5-6	OFF	<ON> 2-1 5-4

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)

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