

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	T	A	0	1

Operational-part	Symbol
Toggle	T

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

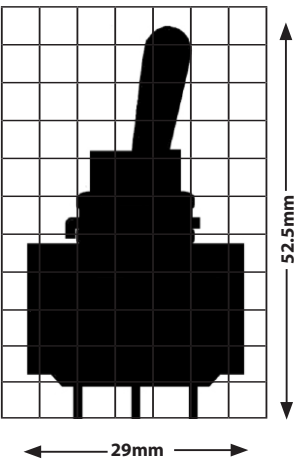
SwitchFunctions			Symbol	
The Opposite Side	Center	Key Thread Side	SP	DP
ON	-	OFF	A	K
ON	-	ON	D	N
ON	OFF	ON	E	P
ON	-	<ON>	F	R
<ON>	OFF	<ON>	G	S

< > = Momentary

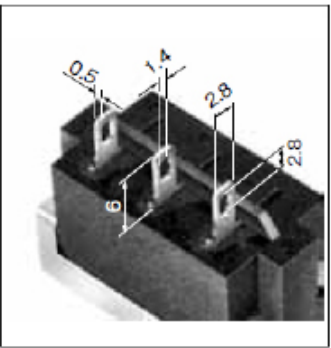
Type of Terminals	Symbol
Solder Lug	1
Quick Connect Terminal #110	3

Examples of Terminal Figures (SP、ON-ON、ON-OFF)

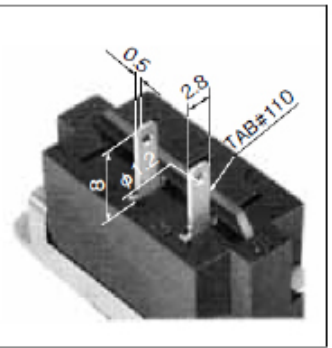
Silhouette (BTD01)



Solder Lug(ON-ON)



Quick Connect #110 (ON-OFF)



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

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Toggle

B

Series

250V/125VAC
10A
6A

Solder Lug
Quick Connect
Terminal

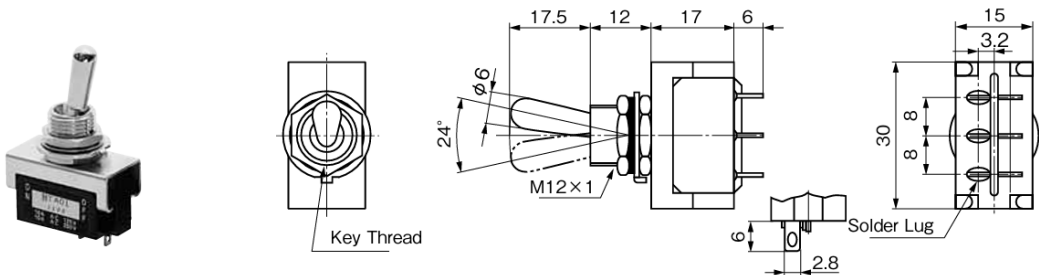
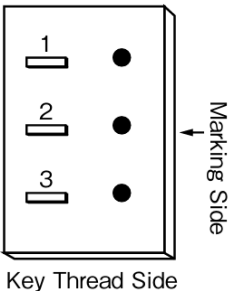
SP 2 P

Switch Names, Functions, Terminal Diagram

S P

Product Name	Resistive Load AC125/250V DC30V	Product Name	Resistive Load AC125/250V DC30V	Circuit	Functions <> はMomentary		
BTA01	10A	BTA11	6A	SPST	ON 2-3	—	OFF
BTD01	10A	BTD11	6A	SPDT	ON 2-3	—	ON 2-1
BTE01	10A	BTE11	6A	SPDT	ON 2-3	OFF	ON 2-1
BTF01	10A	BTF11	6A	SPDT	ON 2-3	—	<ON> 2-1
BTG01	10A	BTG11	6A	SPDT	<ON> 2-3	OFF	<ON> 2-1

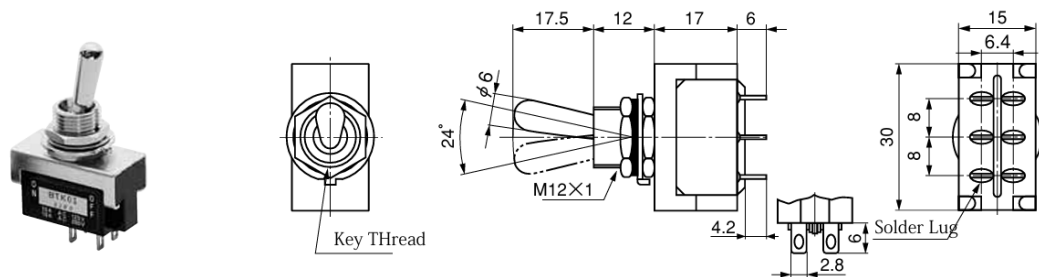
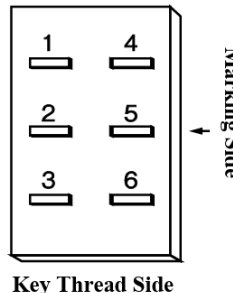
Terminal Diagram



D P

Product Name	Resistive Load AC125/250V DC30V	Product Name	Resistive Load AC125/250V DC30V	Circuit	Functions <> はMomentary		
BTK01	10A	BTK11	6A	DPST	ON 2-3 5-6	—	OFF
BTN01	10A	BTN11	6A	DPDT	ON 2-3 5-6	—	ON 2-1 5-4
BTP01	10A	BTP11	6A	DPDT	ON 2-3 5-6	OFF	ON 2-1 5-4
BTR01	10A	BTR11	6A	DPDT	ON 2-3 5-6	—	<ON> 2-1 5-4
BTS01	10A	BTS11	6A	DPDT	<ON> 2-3 5-6	OFF	<ON> 2-1 5-4

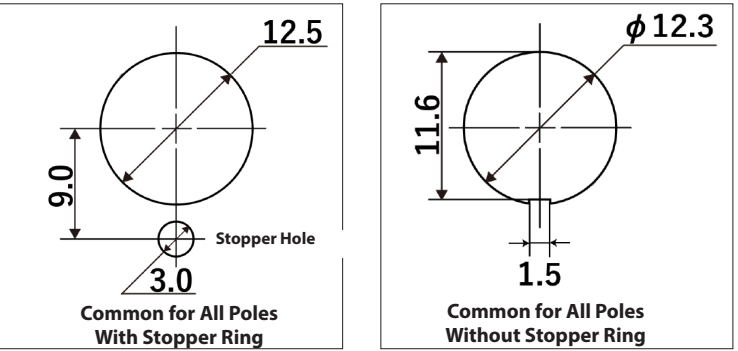
Terminal Diagram



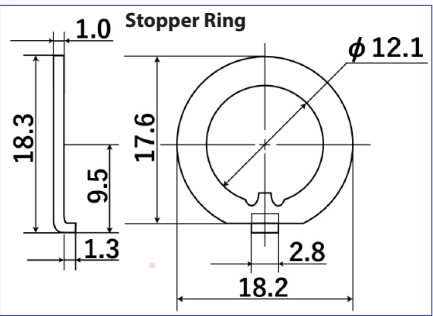
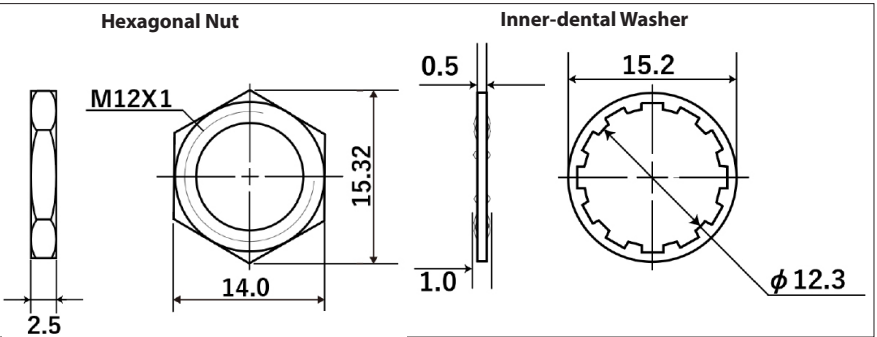
* For products other than those listed above or for custom items, please contact us.

Mounting Hole Dimensions, Mounting Parts Dimentions

Mounting Hole Dimensions



Mounting Parts Dimensions



* Regarding the mounting parts, only the lower nut is pre-installed on the main unit; other parts are included separately.

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Toggle

B

Series

250V/125VAC
10A
6A

Solder Lug
Quick Connect
Terminal

SP 2 P

