

# 8A



RoHS Compliant



## Standard Bat Toggle Switch

### Features

The 8A series has a 10.5mm bat toggle.

### Table of Part Numbers

Terminal Style	Number of poles			1 pole	2 poles	3 poles	4 poles
	Switching Function						
Solder Lug	ON — ON	☆ 8A1011-Z	☆ 8A1011C-Z	8A2011-Z ☆ 8A2011C-Z	☆ 8A3011-Z ★ 8A3011C-Z	☆ 8A4011-Z ★ 8A4011C-Z	
	ON — OFF — ON	8A1021-Z ★ 8A1021C-Z	☆ 8A1021-Z ★ 8A1021C-Z	☆ 8A2021-Z ★ 8A2021C-Z	★ 8A3021-Z	★ 8A4021-Z 8A4021C-Z	
	(ON) — OFF — (ON)	☆ 8A1041-Z ★ 8A1041C-Z	☆ 8A1041-Z ★ 8A1041C-Z	☆ 8A2041-Z ▲ 8A2041C-Z	▲ 8A3041C-Z	★ 8A4041-Z ▲ 8A4041C-Z	
	ON — OFF — (ON)	☆ 8A1051-Z ★ 8A1051C-Z	☆ 8A1051-Z ★ 8A1051C-Z	☆ 8A2051-Z	★ 8A3051-Z ▲ 8A3051C-Z	★ 8A4051-Z ▲ 8A4051C-Z	
	ON — — (ON)	☆ 8A1061-Z ☆ 8A1061C-Z	☆ 8A1061-Z ☆ 8A1061C-Z	☆ 8A2061-Z ☆ 8A2061C-Z	★ 8A3061-Z ▲ 8A3061C-Z	★ 8A4061-Z ▲ 8A4061C-Z	
	ON — ON — ON	—	—	☆ 8A2101-Z ▲ 8A2101C-Z	—	★ 8A4101-Z ▲ 8A4101C-Z	
	ON — ON — (ON)	—	—	★ 8A2111-Z ▲ 8A2111C-Z	—	★ 8A4111-Z ▲ 8A4111C-Z	
	(ON) — ON — (ON)	—	—	★ 8A2121-Z ▲ 8A2121C-Z	—	★ 8A4121-Z ▲ 8A4121C-Z	
Straight PC	ON — ON	☆ 8A1012-Z ☆ 8A1012C-Z	☆ 8A1012-Z ☆ 8A1012C-Z	8A2012-Z ★ 8A2012C-Z	8A3012-Z ★ 8A3012C-Z	★ 8A4012-Z ▲ 8A4012C-Z	
	ON — OFF — ON	☆ 8A1022-Z ☆ 8A1022C-Z	☆ 8A1022-Z ☆ 8A1022C-Z	☆ 8A2022-Z ★ 8A2022C-Z	★ 8A3022-Z ▲ 8A3022C-Z	★ 8A4022-Z ▲ 8A4022C-Z	
	(ON) — OFF — (ON)	☆ 8A1042-Z ☆ 8A1042C-Z	☆ 8A1042-Z ☆ 8A1042C-Z	☆ 8A2042-Z	★ 8A3042-Z ▲ 8A3042C-Z	▲ 8A4042-Z ▲ 8A4042C-Z	
	ON — OFF — (ON)	▲ 8A1052-Z ▲ 8A1052C-Z	▲ 8A1052-Z ▲ 8A1052C-Z	☆ 8A2052-Z ▲ 8A2052C-Z	▲ 8A3052-Z ▲ 8A3052C-Z	▲ 8A4052-Z ▲ 8A4052C-Z	
	ON — — (ON)	★ 8A1062-Z ☆ 8A1062C-Z	★ 8A1062-Z ☆ 8A1062C-Z	☆ 8A2062-Z ▲ 8A2062C-Z	▲ 8A3062-Z ▲ 8A3062C-Z	— ▲ 8A4062C-Z	
	ON — ON — ON	—	—	★ 8A2102-Z ▲ 8A2102C-Z	—	▲ 8A4102-Z ▲ 8A4102C-Z	
	ON — ON — (ON)	—	—	▲ 8A2112-Z ▲ 8A2112C-Z	—	▲ 8A4112-Z ▲ 8A4112C-Z	
	(ON) — ON — (ON)	—	—	▲ 8A2122-Z ▲ 8A2122C-Z	—	▲ 8A4122-Z ▲ 8A4122C-Z	

### Optional Accessories ..... Page 411.

Color Cap					
Dimensions	Color	Part. No.	Dimensions	Color	Part. No.
	White	140000470030		White	140000470038
	Red	140000470098		Red	140000470100
	Black	140000470031		Black	140000470039
	Gray	140000470037		Gray	140000470077

### PC Hole Layouts ..... Page 414.

### Panel Cut-Out Dimensions ... Page 414.

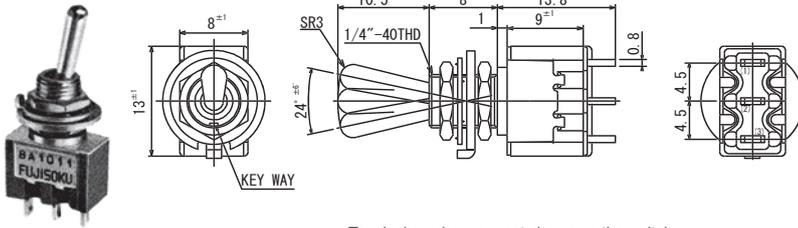
### Terminal Styles ..... Page 387.

### Standard accessories ... Page 414.

   : Optional Accessories.    (ON) : Momentary.    ● For soldering and flux cleaning specifications, please refer to P.413.    ★ : Made to order products.  
 ☆ : Semi-standard products.    ▲ : Inquiry products.

# 8A

## SPDT



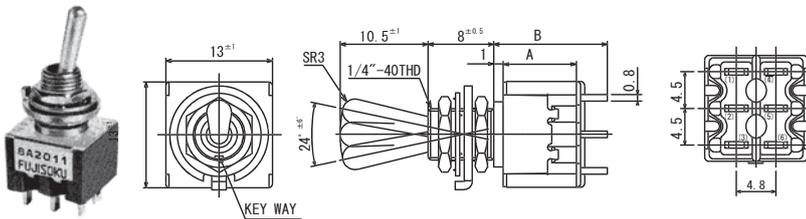
Terminal numbers are not shown on the switch.

Switching function	Key way	Key way	Key way
Part No.			
8A101■-Z	ON	—	ON
8A102■-Z	ON	OFF	ON
8A104■-Z	(ON)	OFF	(ON)
8A105■-Z	ON	OFF	(ON)
8A106■-Z	ON	—	(ON)
Connecting terminals	2-3	—	2-1

■ : Please refer to "Table of Part Numbers" on P.389 for a list of full part numbers.

## DPDT

Dimensions	A	B
Part No.		
8A2011~2061	9±1	13.8±1
8A2001~2121	11.9±1	16.2±1

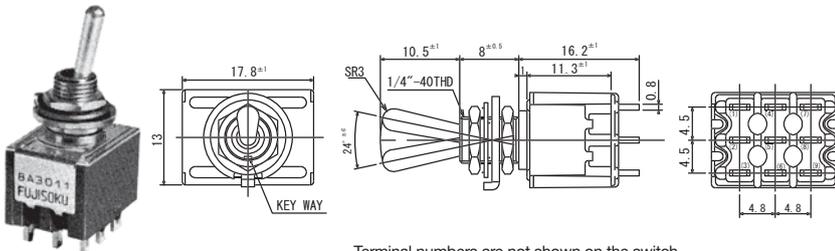


Terminal numbers are not shown on the switch.

Switching function	Key way	Key way	Key way
Part No.			
8A201■-Z	ON	—	ON
8A202■-Z	ON	OFF	ON
8A204■-Z	(ON)	OFF	(ON)
8A205■-Z	ON	OFF	(ON)
8A206■-Z	ON	—	(ON)
Connecting terminals	2-3 5-6	—	2-1 5-4
8A210■-Z	ON	ON	ON
8A211■-Z	ON	ON	(ON)
8A212■-Z	(ON)	ON	(ON)
Connecting terminals	2-3 5-6	2-3 5-4	2-1 5-4

■ : Please refer to "Table of Part Numbers" on P.389 for a list of full part numbers.

## 3PDT

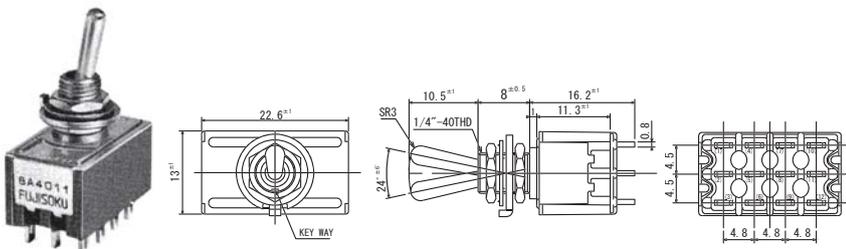


Terminal numbers are not shown on the switch.

Switching function	Key way	Key way	Key way
Part No.			
8A301■-Z	ON	—	ON
8A302■-Z	ON	OFF	ON
8A304■-Z	(ON)	OFF	(ON)
8A305■-Z	ON	OFF	(ON)
8A306■-Z	ON	—	(ON)
Connecting terminals	2-3 5-6 8-9	—	2-1 5-4 8-7

■ : Please refer to "Table of Part Numbers" on P.389 for a list of full part numbers.

## 4PDT



Terminal numbers are not shown on the switch.

Switching function	Key way	Key way	Key way
Part No.			
8A401■-Z	ON	—	ON
8A402■-Z	ON	OFF	ON
8A404■-Z	(ON)	OFF	(ON)
8A405■-Z	ON	OFF	(ON)
8A406■-Z	ON	—	(ON)
Connecting terminals	2-3 5-6 8-9 11-12	—	2-1 5-4 8-7 11-10
8A410■-Z	ON	ON	ON
8A411■-Z	ON	ON	(ON)
8A412■-Z	(ON)	ON	(ON)
Connecting terminals	2-3 5-6 8-9 11-12	2-3 5-4 8-9 11-10	2-1 5-4 8-7 11-10

■ : Please refer to "Table of Part Numbers" on P.389 for a list of full part numbers.

※Please refer to the next page for products marked with ※.

# Three ON Switches

These switches are designed so that the Switching Function will be ON in all three positions. Extra wiring is required by the customer to get the three ON options. Please see below.

## 1 Circuit 3 Contacts

### Function

Actuator position	Key way	Key way	Key way
Circuit diagram			
Switching function	ON	ON	ON
	(ON)	ON	(ON)
Connecting terms.	2-6	2-4	2-1

External wiring (to be wired by the customer)  
 (ON) Momentary action.

### Part Number Table

	ON-ON-ON	ON-ON-(ON)	(ON)-ON-(ON)
EIGHT Switch Series	8A2101-Z	8A2111-Z	8A2121-Z
	8A2101C-Z	8A2111C-Z	8A2121C-Z
	8A2102-Z	8A2112-Z	8A2122-Z
	8A2102C-Z	8A2112C-Z	8A2122C-Z

## 2 Circuit 3 Contacts

### Function

Actuator position	Key way	Key way	Key way
Circuit diagram			
Switching function	ON	ON	ON
	(ON)	ON	(ON)
Connecting terms.	2-6 8-12	2-4 8-10	2-1 8-7

External wiring (to be wired by the customer)  
 (ON) Momentary action.

### Part Number Table

	ON-ON-ON	ON-ON-(ON)	(ON)-ON-(ON)
EIGHT Switch Series	8A4101-Z	8A4111-Z	8A4121-Z
	8A4101C-Z	8A4111C-Z	8A4121C-Z
	8A4102-Z	8A4112-Z	8A4122-Z
	8A4102C-Z	8A4112C-Z	8A4122C-Z