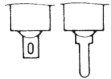
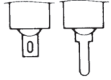


EIGHT SWITCH SERIES

8 Switch Series Selection Table

Part No.	Name	Actuator shape	Number of poles	Switching function	Terminal style	Page
8H	Lever • Rocker		1 • 2	ON — ON ON — OFF — ON (ON) — OFF — (ON) ON — (ON)	 S/D P/C	338
8HD	Lever • Rocker (Dust Proof)		1 • 2		 S/D P/C	340
8M	Small Lever Rocker		1 • 2 • 3 • 4		 S/D	342
8V—M	Small Lever • Rocker PC		1 • 2		 P/C	344

●S/D : Show Solder terminal.
 ●P/C : Show PC terminal.

Note: For overseas standards, see page 575.

8 Switch Series Common Specifications

Contact specs.		Silver	Gold plated
Rating	Max.	125VAC 6A 250VAC 3A 30VAC 4A	20VDC 25mA
Initial contact resistance		10mΩ Max. (2~4VDC 1A)	20mΩ Max. (200 μVAC 1.5mA)
Initial dielectric strength		AC1500V 1 Minute	
Initial insulation resistance		1000MΩ Min. (500VDC)	
Electrical life	Alternate type	50,000 cycles	
	Momentary type	25,000 cycles	
Operating temperature range		-30~+85°C	
Storage temperature range		-40~+85°C	

Part Numbering

8 H 1 01 1 C - Z

Series code Actuator shape Number of poles Switching function Terminal style Contact material and plating

Code	Type	Fig.	Number of poles	Fig.	Switching function	Fig.	Terminal style	Code	Contact material	Plating
H	Lever•Rocker	1	1 pole	01	ON — ON	1	Solder Terminal	None	Bs+Ag or Cu+Ag	Ag
HD	Lever•Rocker	2	2 poles	02	ON — OFF — ON	2	PC Straight	C	Bs+Ag or Cu+Ag	Ni+Au
M	Small Lever•Rocker	3	3 poles	04	(ON)—OFF—(ON)					
V—M	Small Lever•Rocker	4	4 poles	06	ON — (ON)					

Bs=Brass.
Cu=Copper.
Ag=Silver.
Ni=Nickel.
Au=Gold

Note : For some products, the part numbers according to the above-stated combinations are not registered yet. Check the Table of Part Numbers for availability.

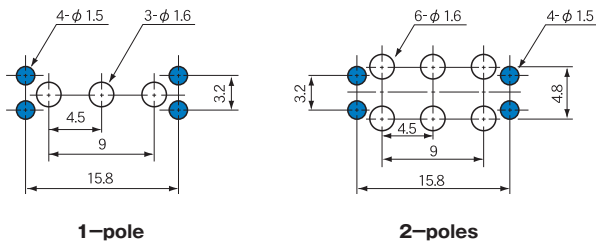
Terminal Styles

Terminal style	Solder Terminal (Style : 1)	PC Straight (Style : 2)
Dimensions		

PC Hole Layouts

Dimensions	
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8V—M/PC Hole Layouts



(ON) : Momentary.

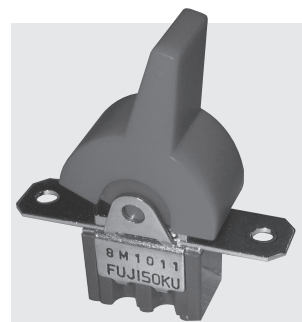
8M

Small Lever & Rocker Switches

UL

CSA

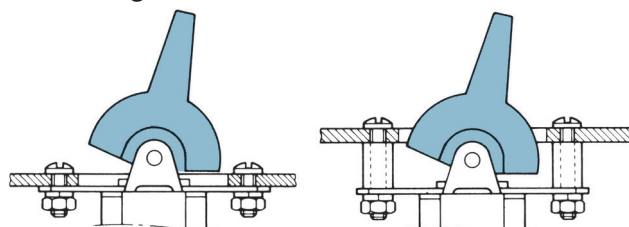
RoHS Compliant



■ Features

The **8M** Small Lever & Rocker Switch is similar to the **8A** type except that 8M type has a mounting plate. Levers and rockers are available in four matted colors that give a sober atmosphere. Choose the suitable one for the panel design. For the mounting method, see the following figure.

■ Mounting Method



■ Standard Accessories

《Supplied separately》

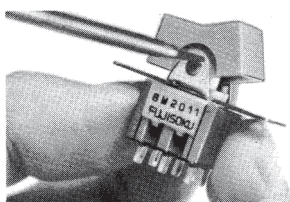
Part name	Lever	Rocker
Dimensions	Matte finish	Matte finish
White	140000050427	140000480509
Red	140000050428	140000480510
Black	140000050429	140000480511
Gray	140000050450	140000480522
Panel Cut-Out Dimensions		

● Specify either one of Lever or Rocker in part number when placing an order.

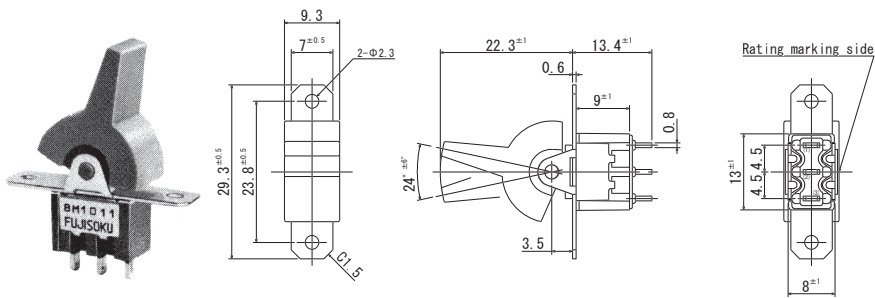
■ Mounting the Lever & Rocker

Press the selvage part of the lever/rocker with a screwdriver to fix it.

Some products in the Table of UL and CSA-Approved Products are not registered yet. Before placing the order, check with our Sales Department.



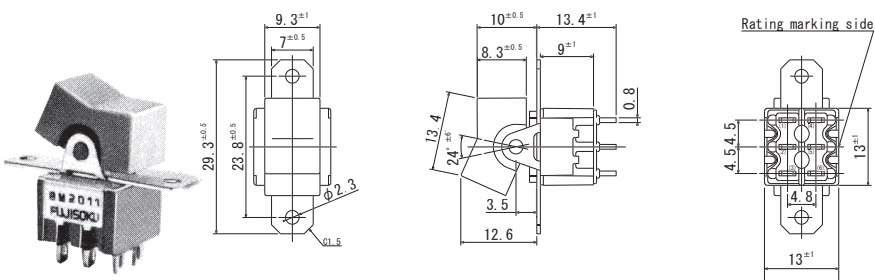
SPDT

Mount with **Lever**

Terminal numbers are not shown on the bottom of the switch.

Switching function	Viewed from rating marking side		
			
Part No.	8M1011-Z	—	ON
Connecting terminals	2-3	—	2-1

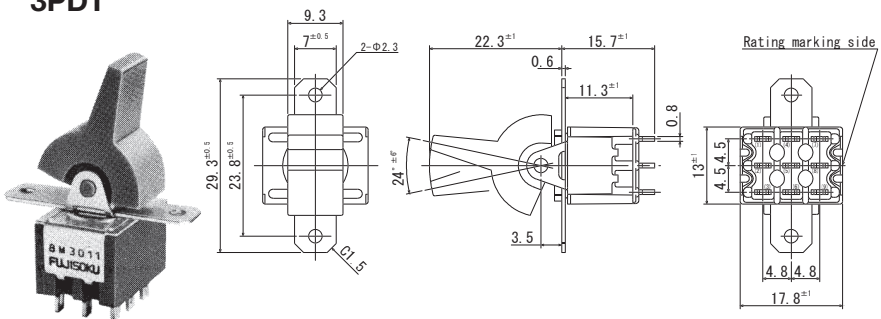
DPDT

Mount with **Rocker**

Terminal numbers are not shown on the bottom of the switch.

Switching function	Viewed from rating marking side		
			
Part No.	8M2011-Z	—	ON
Connecting terminals	2-3 5-6	—	2-1 5-4

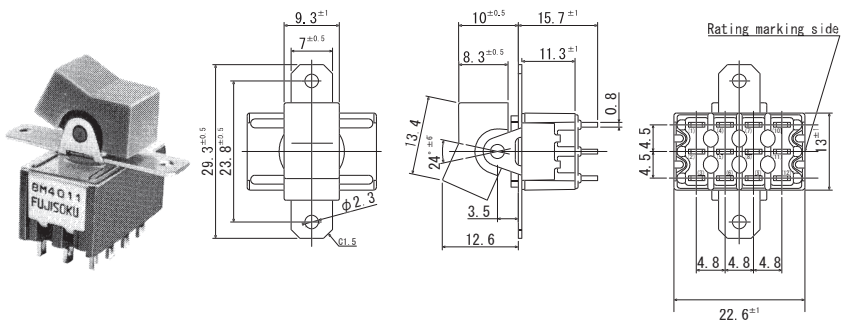
3PDT

Mount with **Lever**

Terminal numbers are not shown on the bottom of the switch.

Switching function	Viewed from rating marking side		
			
Part No.	☆ 8M3011-Z	—	ON
Connecting terminals	2-3 5-6 8-9	—	2-1 5-4 8-7

4PDT

Mount with **Rocker**

Terminal numbers are not shown on the bottom of the switch.

Switching function	Viewed from rating marking side		
			
Part No.	☆ 8M4011-Z	—	ON
Connecting terminals	2-3 5-6 8-9 11-12	—	2-3 5-4 8-7 11-10

UL、CSA認定品一覧表 (Lever・Rocker Type Only)

UL and CSA listed

■エイトスイッチシリーズ/8Switch Series

Poles	Switching function			UL (File No.E43275)				CSA (File No.LR38341)			
				8H	8HD	8M	8V-M	8H	8HD	8M	8V-M
1-pole	101□	ON	—	ON	○	○	○	○	○	○	○
	102□	ON	—	OFF	—	ON	○	○	○	○	○
	104□	(ON)	—	OFF	—	(ON)	○	○	○	○	○
	106□	ON	—	(ON)	○	○	○	○	○	○	○
2-poles	201□	ON	—	ON	○	○	○	○	○	○	○
	202□	ON	—	OFF	—	ON	○	○	○	○	○
	204□	(ON)	—	OFF	—	(ON)	○	○	○	○	○
	206□	ON	—	(ON)	○	○	○	○	○	○	○
3-poles	301□	ON	—	ON	○	○	○	○	○	○	○
4-poles	401□	ON	—	ON	○	○	○	○	○	○	○

- (1) □ shows the terminal type of ① : Solder terminal; ② : PC terminal.
- (2) Some products in the Table of UL and CSA Listed are not registered yet. Before placing the order, check with our Sales Department.
- (3) For the registered products, refer to Table of Part Numbers of respective Series products.
- (4) When the UL and CSA approved products are required, specify "UL /CSA approved Product" when placing the order. The products will be delivered with the UL or CSA marking.

■Handling Precautions(EIGHT switch series)

1. Soldering Specifications

(1) Soldering Specifications

Device : Soldering iron
① 420°C, Max.; 3 sec., Max.

(2) Auto Soldering

② 275°C ± 10°C, Max.; 5 seconds, Max.

Note that the above-stated soldering conditions should be applied to the PC terminal type only.

3. Mounting

- Do not bend the terminals before mounting the switch on the PC board.
- After mounting the switch, do not place the device in such a way that the device weight will be applied on the knob of the switch.
- To fix the PC terminal type, solder it on the PC board after fixing the switch body on the panel with the screw.

2. Flux Cleaning

(1) For the solvent, use the fluorine- or alcohol-based solvent.

Solvent: Fluorine or Alcohol type

(2) Since the 8 Switch Series switches are not waterproof-structured, if the PC board is to be cleaned, clean the soldering surface of substrate with a brush so that the switch is not exposed to the cleaning solution.