













# EIGHT SWITCH SERIES

## 8 Switch Series Selection Table

Part No.	Name	Actuator shape	Number of poles	Switching function	Terminal style	Page
<b>8H</b>	Lever • Rocker		1 • 2	ON — ON ON — OFF — ON (ON) — OFF — (ON) ON — OFF — (ON) ON — (ON)	 S/D	<b>338</b>
<b>8HD</b>	Lever • Rocker (Dust Proof)		1 • 2		 S/D	<b>340</b>
<b>8M</b>	Small Lever Rocker		1 • 2 • 3 • 4		 S/D	<b>342</b>
<b>8V—M</b>	Small Lever • Rocker PC		1 • 2		 P/C	<b>344</b>
<b>8Q</b>	Large Lever • Rocker		1 • 2 • 3 • 4		 S/D	<b>346</b>
<b>8V—Q</b>	Large Lever • Rocker PC		1 • 2		 P/C	<b>348</b>

●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
H	Lever•Rocker
HD	Lever•Rocker
M	Small Lever•Rocker
V-M	Small Lever•Rocker
Q	Large Lever•Rocker
V-Q	Large Lever•Rocker

Fig.	Number of poles
1	1 pole
2	2 poles
3	3 poles
4	4 poles

Fig.	Switching function
01	ON — ON
02	ON — OFF — ON
04	(ON)—OFF—(ON)
05	ON — OFF —(ON)
06	ON — (ON)

Fig.	Terminal style
1	Solder Terminal
2	PC Straight

Code	Contact material	Plating
None	Bs+Ag or Cu+Ag	Ag
C	Bs+Ag or Cu+Ag	Ni+Au

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.

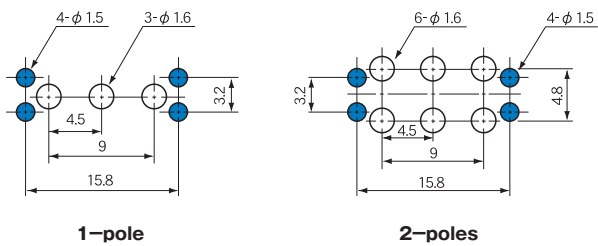
Terminal Styles

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

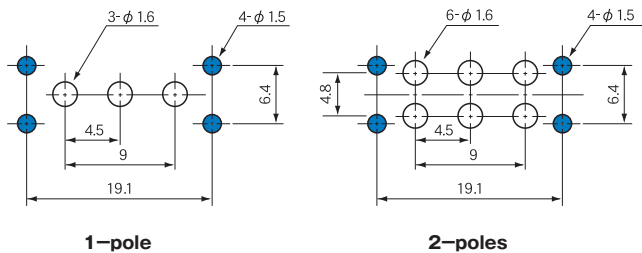
PC Hole Layouts

Dimensions	
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8V-M/PC Hole Layouts



8V-Q/PC Hole Layouts



(ON) : Momentary.

# 8H

## Lever & Rocker Switches

UL CSA

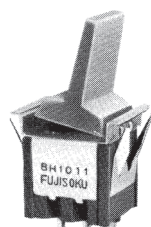
RoHS Compliant



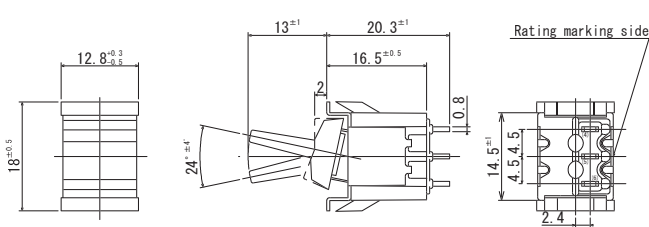
### Features

The **8H** Lever & Rocker Switches feature the snap-in mount type on the panel, which enables side-by-side mounting. For the actuator, either of the lever or the rocker can be chosen according to applications and four colors are available for the actuator and the mounting frame, respectively. Choose the suitable one for the panel design.

### SPDT



Mount with **lever**



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

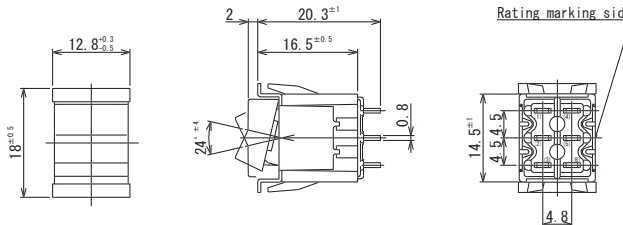
Switching function	Viewed from rating marking side		
Part No.			
8H101--Z	ON	—	ON
8H102--Z	ON	OFF	ON
8H104--Z	(ON)	OFF	(ON)
8H105--Z	ON	OFF	(ON)
8H106--Z	ON	—	(ON)
Connecting terminals	5—6	—	5—4

■ : Look at follows.

### DPDT



Mount with **rocker**



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

Switching function	Viewed from rating marking side		
Part No.			
8H201--Z	ON	—	ON
8H202--Z	ON	OFF	ON
8H204--Z	(ON)	OFF	(ON)
8H205--Z	ON	OFF	(ON)
8H206--Z	ON	—	(ON)
Connecting terminals	2—3 5—6	—	2—1 5—4

■ : Look at follows.

### Table of Part Numbers

Terminal style	Switching function	1 pole	2 poles
Solder Terminal	ON — ON	☞ 8H1011-Z ☆☞ 8H1011C-Z	☞ 8H2011-Z ▲☞ 8H2011C-Z
	ON — OFF — ON	☆☞ 8H1021-Z ▲☞ 8H1021C-Z	★☞ 8H2021-Z ▲☞ 8H2021C-Z
	(ON) — OFF — (ON)	☞ 8H1041-Z	★☞ 8H2041-Z
	ON — OFF — (ON)	★☞ 8H1051-Z	★☞ 8H2051-Z
	ON — — (ON)	☞ 8H1061-Z	★☞ 8H2061-Z
PC Straight	ON — — ON	★☞ 8H1012-Z	★☞ 8H2012-Z
	ON — OFF — ON	▲☞ 8H1022-Z	★☞ 8H2022-Z
	(ON) — OFF — (ON)	▲☞ 8H1042-Z	★☞ 8H2042-Z
	ON — OFF — (ON)	▲☞ 8H1052-Z	▲☞ 8H2052-Z
	ON — — (ON)	★☞ 8H1062-Z	★☞ 8H2062-Z

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

(ON) : Momentary.

★ : Made to order products.

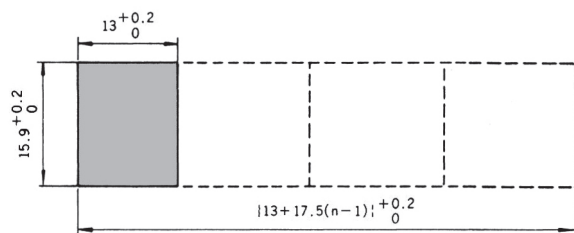
● For Soldering Specifications and Flux Cleaning, see page 349.

☆ : Semi-standard products.

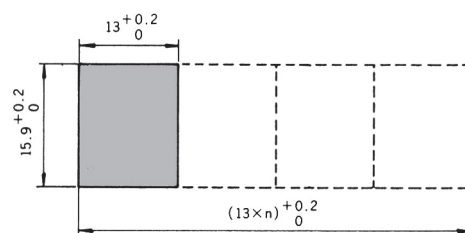
▲ : Inquiry products.

## ■ Panel Cut-Out Dimensions

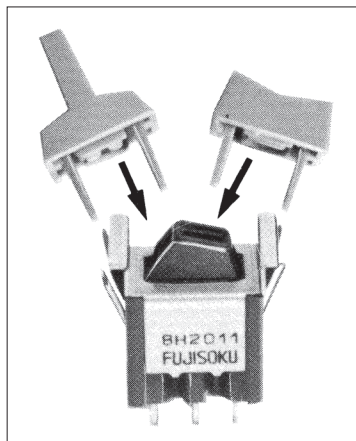
Panel thickness (with **Mounting Frame**) : 1 to 2.5mm



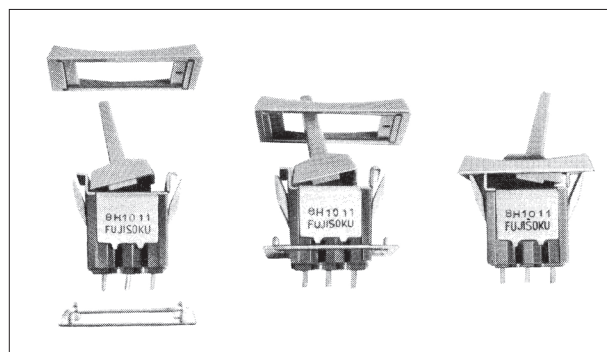
Panel thickness (with **Mounting Frame**) : 1 to 3mm



## ■ Lever · Rocker Installation Procedure



## ■ Mounting Frame mounting Method



## ■ Accessories

《Supplied separately》

Part Name	Standard Accessories			Optional Accessories
	Lever		Rocker	Mounting Frame
Gloss finish				
Dimensions				
White	14000050693	14000050511	140000480332	140000340086 + 140000600181
Red	14000050694	14000050512	140000480334	140000340087 + 140000600181
Black	14000050695	14000050513	140000480333	140000340088 + 140000600181
Gray	14000050696	14000050514	140000480335	140000340089 + 140000600181

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

## ■ PC Hole Layouts

Series	8H · 8HD
Dimensions	

## ■ Terminal Styles

Series	8H · 8HD · 8Q	
Terminal style	Solder Terminal (Style : 1)	PC Straight (Style : 2)
Dimensions		

# UL、CSA認定品一覧表 (Lever・Rocker Type Only)

## UL and CSA listed

### ■8Switch Series

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

## A series

Poles	Part number	Switching function	UL (※1)
1 pole	ALE1D-2M4-10-Z	ON -OFF- ON	○
	ALE1D-5M4-10-Z		○
	ALE1E-2M4-10-Z	ON -OFF- ON	○
	ALE1E-5M4-10-Z		○
	ALE1F-2M4-10-Z	ON - (ON)	○
	ALE1F-5M4-10-Z		○
	ALE1G-2M4-10-Z	(ON) -OFF- (ON)	○
	ALE1G-5M4-10-Z		○
	ALE1H-2M4-10-Z	ON -OFF- (ON)	○
	ALE1H-5M4-10-Z		○
2 poles	ALE2D-2M4-10-Z	ON - ON	○
	ALE2D-5M4-10-Z		○
	ALE2N-2M4-10-Z		○
	ALE2E-2M4-10-Z	ON -OFF- ON	○
	ALE2E-5M4-10-Z		○
	ALE2P-2M4-10-Z		○
	ALE2F-2M4-10-Z	ON - (ON)	○
	ALE2F-5M4-10-Z		○
	ALE2R-2M4-10-Z		○
	ALE2G-2M4-10-Z	(ON) -OFF- (ON)	○
	ALE2G-5M4-10-Z		○
	ALE2S-2M4-10-Z		○
	ALE2H-2M4-10-Z	ON -OFF- (ON)	○
	ALE2H-5M4-10-Z		○
	ALE2T-2M4-10-Z		○

## Miniature Rocker Switches

Poles	Part number	Switching function	UL (※1)	CSA (※2)
1 pole	HLA112A	ON-OFF	○	○
	HLA112A12		○	○
	HLC112A		○	○
	HLC112A12		○	○
	HLS112A		○	○
	HLS112A12		○	○
	STE115A10-Z		○	○
	STE115A12-Z		○	○
2 poles	HLA208K		○	○
	HLA208K12		○	○
	HLC208K		○	○
	HLC208K12		○	○
	HLS208K		○	○
	HLS208K12		○	○

## Miniature Poewr Switches

Poles	Type	Switching function	UL (※1)	CSA (※2)
1 pole	HLA112D	ON-ON	○	○
	HLA112D12		○	○
	HLC112D		○	○
	HLC112D12		○	○
	HLS112D		○	○
	HLS112D12		○	○
	STE115D10-Z		○	○

## Miniature Rocker Switches

Poles	Part number	Switching function	UL (※1)	CSA (※2)	VDE (※4)	SEMKO (※5)	Poles	Part number	Switching function	UL (※1)	CSA (※2)	VDE (※4)	SEMKO (※5)
1-pole	SLE6A	ON-OFF	○	○	○	○	1-pole	SLE10A	ON-OFF	○	○	○	○
	SLE6A-5		○	○	○	○		SLE10A-5		○	○	○	○
	SLE6A-6		○	○	○	○		SLE10A-6		○	○	○	○
	SLE6A-7		○	○	○	○		SLE10A-7		○	○	○	○
	SLE6A-8		○	○	○	○		SLE10A-8		○	○	○	○
	SLE6A2		○	○	○	○		SLE10A2		○	○	○	○
	SLE6A2-5		○	○	○	○		SLE10A2-5		○	○	○	○
	SLE6A2-6		○	○	○	○		SLE10A2-6		○	○	○	○
	SLE6A2-7		○	○	○	○		SLE10A2-7		○	○	○	○
	SLE6A2-8		○	○	○	○		SLE10A2-8		○	○	○	○
	SLE6A4		○	○	○	○		SLE10A4		○	○	○	○
	SLE6A4-5		○	○	○	○		SLE10A4-5		○	○	○	○
	SLE6A4-6		○	○	○	○		SLE10A4-6		○	○	○	○
	SLE6A4-7		○	○	○	○		SLE10A4-7		○	○	○	○
	SLE6A4-8		○	○	○	○		SLE10A4-8		○	○	○	○
	SLE6A5	ON-ON	○	○	○	○		SLE10A5	ON-ON	○	○	○	○
	SLE6A5-5		○	○	○	○		SLE10A5-5		○	○	○	○
	SLE6A5-6		○	○	○	○		SLE10A5-6		○	○	○	○
	SLE6A5-7		○	○	○	○		SLE10A5-7		○	○	○	○
	SLE6A5-8		○	○	○	○		SLE10A5-8		○	○	○	○
	SLE6D		○	○	○	○		SLE10D		○	○	○	○
	SLE6D-5		○	○	○	○		SLE10D-5		○	○	○	○
	SLE6D-6		○	○	○	○		SLE10D-6		○	○	○	○
	SLE6D-7		○	○	○	○		SLE10D-7		○	○	○	○
	SLE6D-8		○	○	○	○		SLE10D-8		○	○	○	○
	SLE6D2		○	○	○	○		SLE10D2		○	○	○	○
	SLE6D2-5		○	○	○	○		SLE10D2-5		○	○	○	○
	SLE6D2-6		○	○	○	○		SLE10D2-6		○	○	○	○
	SLE6D2-7		○	○	○	○		SLE10D2-7		○	○	○	○
	SLE6D2-8		○	○	○	○		SLE10D2-8		○	○	○	○
1-pole	SLE6D4	ON-ON	○	○	○	○		SLE10D4	ON-ON	○	○	○	○
	SLE6D4-5		○	○	○	○		SLE10D4-5		○	○	○	○
	SLE6D4-6		○	○	○	○		SLE10D4-6		○	○	○	○
	SLE6D4-7		○	○	○	○		SLE10D4-7		○	○	○	○
	SLE6D4-8		○	○	○	○		SLE10D4-8		○	○	○	○
	SLE6D5		○	○	○	○		SLE10D5		○	○	○	○
	SLE6D5-5		○	○	○	○		SLE10D5-5		○	○	○	○
	SLE6D5-6		○	○	○	○		SLE10D5-6		○	○	○	○
	SLE6D5-7		○	○	○	○		SLE10D5-7		○	○	○	○
	SLE6D5-8		○	○	○	○		SLE10D5-8		○	○	○	○

(※1) UL File No. E43275

(※2) CSA File No. LR38341

(※4) VDE File No. 120752

(※5) SEMKO File No. 614385