

HLA • HLC • HLS

Miniature Rocker Switches



UL

CSA

RoHS Compliant

■ Features

Economical prices are achieved through out-and-out VA and silver-saving design. Contact stability and high reliability are ensured thanks to the adoption of the seesaw type sliding contact mechanism (patented) (see the figure below) and the switch are usable for a wide range of current capacity from 1 mA to 12 A. In addition, the self-extinguishing phenol resin (UL94V-0) is used for the housing material, thereby ensuring excellent insulation and surge resistance. All models (excluding HLS308A) are **UL** and **CSA** approved for high reliability.

● For the detailed specifications, see Common Specifications on page 632.

■ Part Numbering

HLA **1** **12** **A** **12**

Series code Number of poles Current Switching function Terminal style

Series code	Actuator shape
HLA	
HLC	
HLS	

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

Fig.	Current
08	8A
12	12A

Code		Switching function	
1 pole/3 poles	2 poles		
A	K	OFF	— ON
D	N	ON	— ON

Fig.	Terminal styles
None	TAB:#187(t=0.5)
12	Solder Terminal

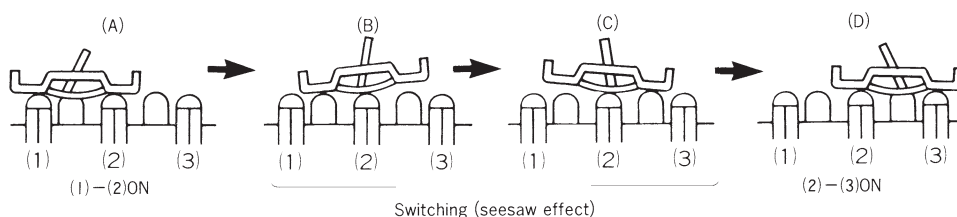
■ Terminal Styles

1 pole		2 poles	
TAB #187 Style : —	Solder Terminal Style : 12	TAB #187 Style : —	Solder Terminal Style : 12

Note: For the overseas standards, see page 325.

■ Seesaw Type Sliding Mechanism (Patented)

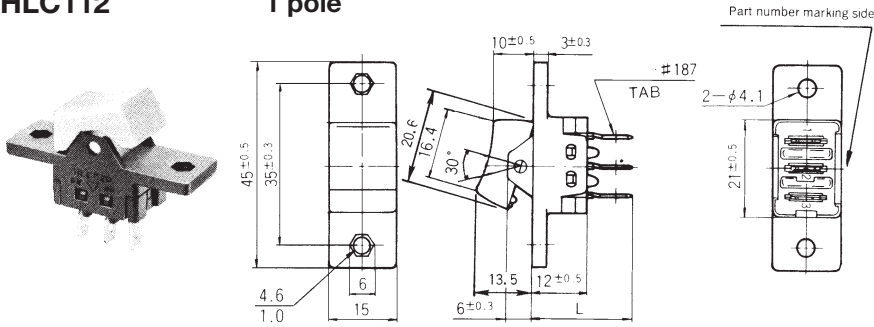
The movable contact moves from (A) to (B) as it wipes the contact surface and, at (B) and (C), the switching feel can be obtained due to the seesaw effect on the common terminal (2). Then, the movable contact moves from (C) to (D) as it wipes the contact surface and, at the point (D), the common terminal (2) and the terminal (3) are turned ON.



HLC

HLC112

1 pole



TAB:#187 Terminal

Terminal numbers are shown on the bottom of the switch.

The switching function Type "A" is without terminal number (3).

Specifications

Rating		Initial contact resistance	Dielectric strength	Insulation resistance	Electrical life
HLC112A HLC112D	AC125V 12A Max.	20mΩ Max. (DC2~4V 1A)	AC1500V 1 minute	100MΩ Min. (DC500V)	15,000 cycles
	AC250V 6A Max.				
	AC·DC6V 1mA Min.				

Dimension L

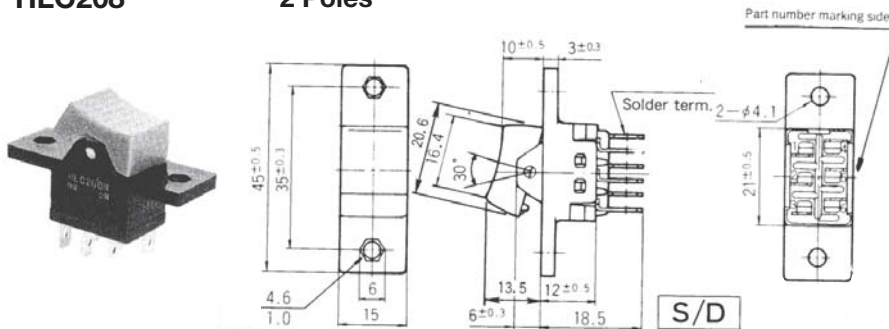
Part No.	Terminal style	TAB:#187	Solder Terminal
HLC112A	■	22	18.5
HLC112D	■	22	18.5

Part No.	Switching function	Viewed from part No. marking side	
HLC112A	■	OFF	ON
Connecting terminals		—	2-1
HLC112D	■	ON	ON
Connecting terminals		2-3	2-1
HLC208K	■	OFF	ON
Connecting terminals		—	2-1 5-4
HLC208N	■	ON	ON
Connecting terminals		2-3 5-6	2-1 5-4

To check the Part No. marked with the ■, refer to List of Part Numbers on Page 325.

HLC208

2 Poles



Solder Terminal

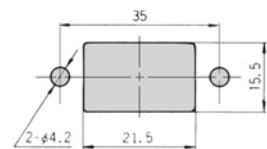
Terminal numbers are shown on the bottom of the switch.

The switching function Type "K" is without terminal numbers (3) and (6).

Specifications

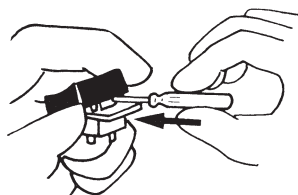
Rating		Initial contact resistance	Dielectric strength	Insulation resistance	Electrical life
HLC208K HLC208N	AC125V 8A Max.	20mΩ Max. (DC2~4V 1A)	AC1500V 1 minute	100MΩ Min. (DC500V)	15,000 cycles
	AC250V 5A Max.				
	AC·DC6V 1mA Min.				

Panel Cut-Out Dimensions



Mounting the HLC Type Button

The button can be replaced by pressing the button in the direction of the arrow.



Placing an order

The button of the HLC type comes as an accessory. Choose one from the table on page 328 and specify the color in part number when placing an order.

