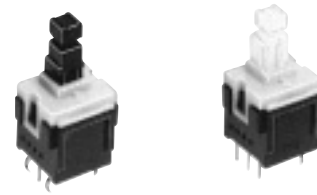


### Soft Sound Type Push Switches

Japan

Type: **ESB30 (H=12.5 mm)**



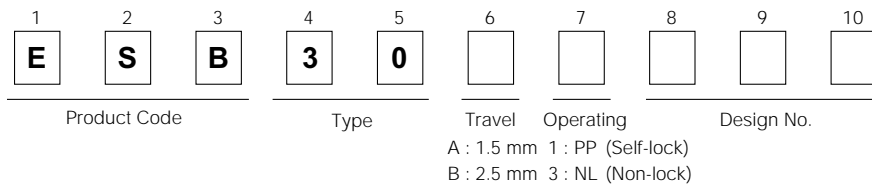
#### ■ Features

- Reduced interlock operation switching noise (-10 dB compared to the current value)
- Simultaneous locking prevention mechanism
- Tactile feedback when operated
- A wide range of acceptable currents from microcomputer controls to relay control signals

#### ■ Recommended Applications

- Operation switches for automobiles (A/C switches, Hazard switches, etc.)
- Secondary power switches for lower voltage in consumer electronic equipment and different types of mode switches

#### ■ Explanation of Part Numbers



#### ■ Specifications

Rating	50 $\mu$ A 3 Vdc to 0.2 A 14 Vdc (Resistive load)
Travel	Lock Travel=1.5 mm Full Travel=2.5 mm Lock Travel=2.5 mm Full Travel=3.5 mm
Mounting Height	12.5 mm
Poles and Throws	2-poles 2-throws
Operating Mode	Self-lock, Non-lock
Switching Mode	Non-shorting
Operating Force	2.0 N $\pm$ 1.0 N, 3.0 N $\pm$ 1.0 N, 3.5 N $\pm$ 1.5 N
Minimum Quantity/Packing Unit	480 pcs. (Tray Pack)
Quantity/Carton	2400 pcs.

\* The figures shown above apply only to single-key types. Consult our sales staff for multiple-key types.

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

### Standard Products

Operating Force	Lever Height	Lock Travel	Operating Mode	Detent	Terminal Shape	
					Straight	Formed
2 N	22.5 mm	1.5 mm	PP	With	ESB30A102	ESB30A103
				Without	ESB30A104	ESB30A105
			NL	With	ESB30A302	ESB30A303
				Without	ESB30A304	ESB30A305
	20.5 mm	2.5 mm	PP	With	ESB30B101	ESB30B106
				Without	ESB30B132	ESB30B102
NL			With	ESB30B301	ESB30B303	
			Without	ESB30B304	ESB30B305	
3 N	22.5 mm	1.5 mm	PP	Without	ESB30A132	ESB30A133
3.5 N	20.5 mm	2.5 mm	NL		ESB30A332	ESB30A333
			PP		ESB30B103	ESB30B133
			NL		ESB30B332	ESB30B333

Note: PP=Self-lock, NL=Non-lock

### Dimensions in mm (not to scale)

**ESB30A102**  
2-poles 2-throws

Lock Travel	Full Travel
1.5 mm	2.5 mm
2.5 mm	3.5 mm

F-S Characteristics

Ⓐ details

Recommended PWB piercing plan  
(Tolerance:±0.05)  
View from terminal side

Circuit diagram  
(View from terminal side)

Forming dimension of terminal  
(Except for common terminal)

### Application Notes:

- Operating force should be applied at the center of the lever.

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