

### ESB33 Vertical Push Switches

Type: **ESB33 (H=6.0 mm)**

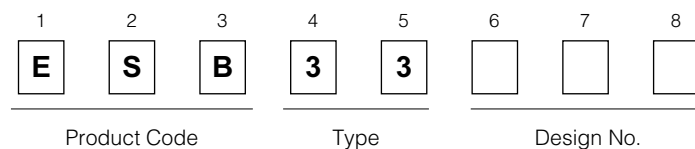
#### ■ Features

- Low profile (H=6.0 mm)
- 3 N and 5 N operating force availables
- A wide range of acceptable currents from microcomputer controls to relay control signals

#### ■ Recommended Applications

- Operation switches for automobiles (heater control 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=2.3 mm
Mounting Height	6.0 mm
Poles and Throws	2-poles 2-throws
Operating Mode	Self-lock, Non-lock
Switching Mode	Non-shorting
Minimum Quantity/Packing Unit	100 pcs. Polyethylene Bag (Bulk) / 300 pcs. Embossed Taping (Reel Pack)
Quantity/Carton	2000 pcs. Polyethylene Bag (Bulk) / 1800 pcs. Embossed Taping (Reel Pack)

#### ■ Standard Products

Operating Mode	Terminals	Packaging	Operating Force	Part Numbers	Lever Color
PP	Wave Soldering	Polyethylene Bag (Bulk)	3.0 N $\pm$ 1.0 N	ESB33133	Light Yellow
NL				ESB33134	
PP			5.0 N $\pm$ 1.5 N	ESB33153	Black
NL				ESB33154	
PP	Surface Mount	Embossed Taping (Reel )	3.0 N $\pm$ 1.0 N	ESB33535	Light Yellow
NL				ESB33536	

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

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.

## ■ Dimensions in mm (not to scale)

No. 1	No. 2
<p><b>ESB33133</b> 2-poles 2-throws</p> <p>PWB mounting hole for reference (Tolerance: <math>\pm 0.05</math>) View from terminal side</p> <p>Circuit diagram</p>	<p><b>ESB33536</b> 2-poles 2-throws</p> <p>PWB mounting hole for reference Tolerance : <math>\pm 0.05</math> (t=1.6 mm)</p> <p>Circuit diagram</p>

## ■ Packaging Specifications

### Standard Reel Dimensions in mm (not to scale)

Taping Reel	Embossed Carrier Taping

## ■ Application Notes:

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

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