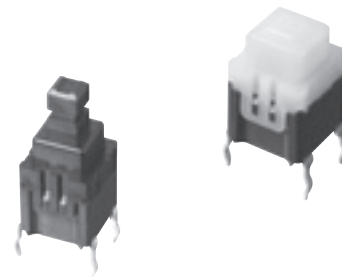


## ESE20C/20D Momentary Push Switches

Type: **ESE20C/ESE20D**  
(H=8.9 mm)



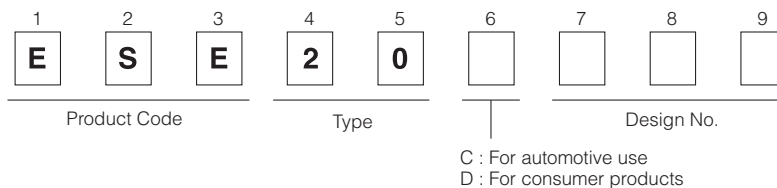
### ■ Features

- User-friendly tactile feedback when operated
- Long over-travel

### ■ Recommended Applications

- Operation switches for automobiles (switches for heater controls, overdrive, steering, etc.)
- Secondary power switches for lower voltage in consumer electronic equipment and different types of mode switches

### ■ Explanation of Part Numbers



### ■ Specifications

Rating	0.01 $\mu$ A 5 V DC to 0.1 A 14 V DC (Resistive load)
Full Travel	2.5 mm
Mounting Height	8.9 mm
Poles and Throws	1-pole 1-throw
Operating Mode	Non-lock
Operating Force	2.0 N $\pm$ 1.0 N, 4.0 N $\pm$ 1.5 N
Minimum Quantity/Packing Unit	60 pcs. Polyethylene Bag (Bulk)
Quantity/Cartron	1,200 pcs.

### ■ Standard Products

Full Travel	Operating Force	Lever Height	Terminal Shape	
			Straight	Formed
2.5 mm	2.0 N $\pm$ 1.0 N	12.5 mm	ESE20*323	ESE20*321
		17.5 mm	ESE20*423	ESE20*421
	4.0 N $\pm$ 1.5 N	12.5 mm	ESE20*343	ESE20*341
		17.5 mm	ESE20*443	ESE20*441

\*C : For automotive use D : For consumer products

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**

**ESE20\*4□□**  
 \*...C : For automotive use  
 D : For consumer products  
 1-pole 1-throw

ON Travel  
Full Travel

16.0±0.5  
15.0±0.5

5.7  
3.3±0.1  
1.5  
2.5±0.1  
5.5  
1.0±0.15  
8.9  
17.5

R1.6  
(8.0)  
0.35  
9.1±0.5  
4- $\phi$ 1.0<sup>+0.05</sup><sub>0</sub>

6.0  
8.0

PWB mounting hole for reference  
Tolerance : ±0.05 (t=1.6 mm)  
View from terminal side

5.7  
R0.5  
(6.0)  
0.7

a) b) c) d)

Push

Circuit diagram

Operating Force (N)

4.0  
3.0  
2.0  
1.0

Type 4 N  
Type 2 N

1.0 2.0 3.0  
Travel (mm)

F-S Characteristics

Straight Terminal  
(8.0)  
3.6

**No. 2**

**ESE20\*3□□**  
 \*...C : For automotive use  
 D : For consumer products  
 1-pole 1-throw

ON Travel  
Full Travel

11.0±0.5  
10.0±0.5

5.7  
3.3  
8.9  
12.5

R1.6  
(8.0)  
0.35  
9.1±0.5  
4- $\phi$ 1.0<sup>+0.05</sup><sub>0</sub>

6.0  
8.0

PWB mounting hole for reference  
Tolerance : ±0.05 (t=1.6 mm)  
View from terminal side

5.7  
R0.5  
(6.0)  
0.7

a) b) c) d)

Push

Circuit diagram

### ■ Application Notes:

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

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