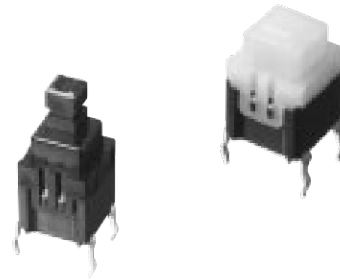


ESE20C/20D Momentary Push Switches

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



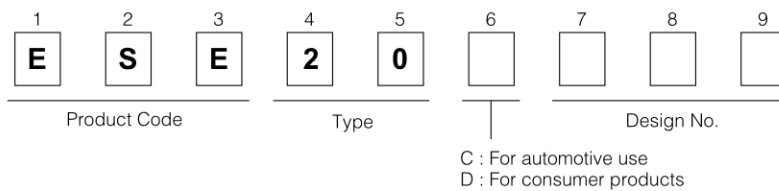
■ Features

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

■ Recommended Applications

- Operation switches for automobiles (switches for heater controls, overdrive, steering, etc.)

■ Explanation of Part Numbers



■ Specifications

Rating	0.01 A 5 Vdc to 0.1 A 14 Vdc (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±1.0 N, 4.0 N±1.5 N
Minimum Quantity/Packing Unit	60 pcs. Polyethylene Bag (Bulk)
Quantity/Carton	1200 pcs.

■ Standard Products

Full Travel	Operating Force	Lever Height	Terminal Shape	
			Straight	Formed
2.5 mm	2.0 N±1.0 N	12.5 mm	ESE20*323	ESE20*321
		17.5 mm	ESE20*423	ESE20*421
	4.0 N±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

■ 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

7.8

7.9

5.7

3.3±0.1

2.5

1.5

2.5±0.1

16.0±0.5

15.0±0.5

1.0±0.15

5.5

8.9

17.5

R1.6

(8.0)

0.35

3.5

9.1±0.5

4-φ1+0.05/0

6.0

8.0

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

Straight Terminal

5.7

R0.5

0.7

(6.0)

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

No. 2

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

ON Travel
Full Travel

7.8

7.9

5.7

3.3

1.5

11.0±0.5

10.0±0.5

8.9

12.5

R1.6

(8.0)

0.35

3.5

9.1±0.5

4-φ1+0.05/0

6.0

8.0

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

5.7

R0.5

0.7

(6.0)

a

b

c

d

Push

Circuit diagram

■ Application Notes:

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