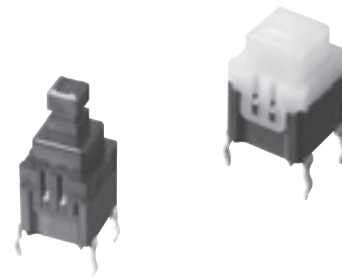


ESE20C/20D Momentary Push Switches

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



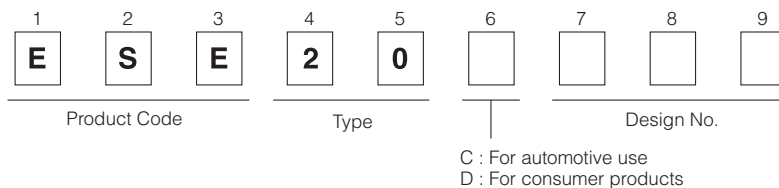
■ Features

- 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 μA 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±1.0 N, 4.0 N±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±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

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
9.1±0.5
0.35
8.0

4- $\phi 1.0^{+0.05}_0$

6.0
8.0

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

5.7
R0.5
6.0
0.7

(a) (b) (c) (d)

Push

Circuit diagram

Straight Terminal
3.6
(8.0)

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

11.0±0.5
10.0±0.5

5.7
3.3
8.9
12.5

R1.6
9.1±0.5
0.35
8.0

4- $\phi 1.0^{+0.05}_0$

6.0
8.0

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

5.7
R0.5
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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Mouser Electronics

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[ESE-20D321](#) [ESE-20D323](#) [ESE-20D341](#) [ESE-20D343](#) [ESE-20D421](#) [ESE-20D423](#) [ESE-20D441](#) [ESE-20D443](#)