

5N Detector Switches

Japan

Type: **ESE11**

Standard type with a wide range of customizable features

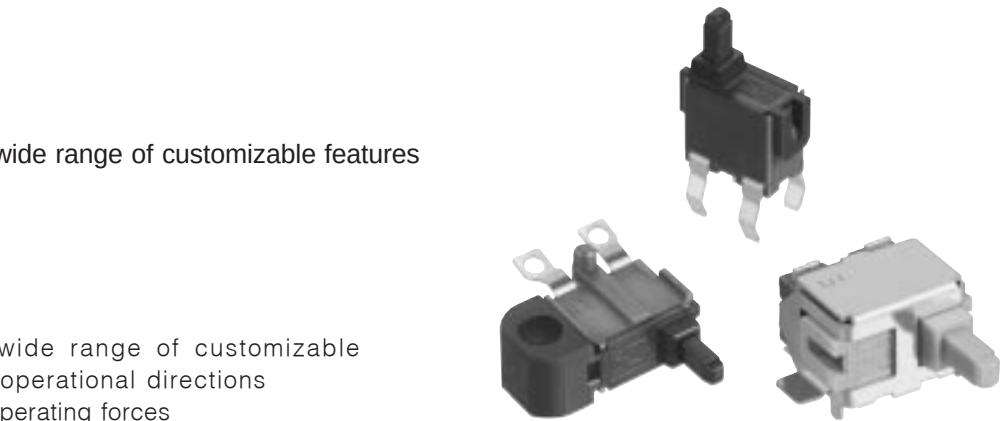
■ Features

- Attachable type, wide range of customizable features including operational directions
- Applicable to light operating forces
- A wide range of reflow soldering types available

■ Recommended Applications

- Mechanism and detection for Car Audio Equipment

■ Explanation of Part Numbers



1	2	3	4	5	6	7	8	9
E	S	E	1	1				
Product Code			Type		Style		Design No.	

■ Major Specifications

Rating	50 μ A 3 Vdc to 10 mA 5 Vdc (Resistive load)	
Operating Force	350 mN max. (Full Travel)	
Mounting Height	4.9 mm	
Poles and Throws	1-pole 1-throw	
Minimum Quantity/ Packing Unit	ESE11SV7	200 pcs. (Vinyl Bag)
	ESE11MV5, ESE11MV13	
	ESE11SH5, ESE11SH6	
	ESE11MH3, ESE11MH4	
	ESE11HS5, ESE11HS6	
	ESE11SF3, ESE11SF4	
	ESE11MV5T	800 pcs. (Reel Pack)
	ESE11MH3T, ESE11MH4T	1500 pcs. (Reel Pack)
	ESE11MV□M	100 pcs. (Magazine Pack)
Quantity/Carton	ESE11SV7	10000 pcs.
	ESE11MV5, ESE11MV13	
	ESE11SH5, ESE11SH6	
	ESE11MH3, ESE11MH4	
	ESE11HS5, ESE11HS6	
	ESE11SF3, ESE11SF4	
	ESE11MV5T	4800 pcs.
	ESE11MH3T, ESE11MH4T	9000 pcs.
	ESE11MV□M	20000 pcs.

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)

Vertical Type	No. 1 ESE11SV7 For wave soldering 1-pole 1-throw Recommended PWB piercing plan View from (A)	No. 2 ESE11MV5 For reflow soldering 1-pole 1-throw Recommended land pattern View from (A)
	No. 3 ESE11MV3 For reflow soldering 1-pole 1-throw Recommended land pattern View from (A)	No. 4 ESE11SH5 For wave soldering 1-pole 1-throw Recommended PWB piercing plan View from (A)

■ Dimensions in mm (not to scale)

Vertical Type	No. 5 ESE11SH6 For wave soldering 1-pole 1-throw Full travel ON starting position Recommended PWB piercing plan View from (A)	No. 6 ESE11MH3 For reflow soldering 1-pole 1-throw Recommended land pattern View from (A) Full travel ON starting position
	No. 7 ESE11MH4 For reflow soldering 1-pole 1-throw Recommended land pattern View from (A) Full travel ON starting position	No. 8 ESE11HS5 With mounting hole 1-pole 1-throw ON starting position Full travel ON starting position Full travel ON starting position M2 screw hole View from side (A) View from side (B) Recommended piercing plan

Horizontal Type

No. 9 ESE11HS6 With mounting hole

1-pole 1-throw

Top view dimensions: 7.65, 4.5, $\phi 1.2_{+0.1}^{-0}$, 1.0, 3.7, 5.2, 8.6, $\phi 1.2_{+0.1}^{-0}$.

Side view dimensions: 6.15, 1.0, 1.5, 2.85, 5.85, 1.15, 1.6, 1.75, 2.25, 1.5, 0.9, 3.6, 1.0, 4.5.

Front view dimensions: ON starting position, Full travel, 2.2, 1.27, 7.0, 6.25, 4.6, 6.3, 7.95, 8.7, 0.1, 1.65.

M2 screw hole dimensions: 6.15, 4.50 ± 0.05 , 5.85 ± 0.05 , 2.85 ± 0.05 , 1.15 ± 0.05 , 7.65 ± 0.05 , $\phi 1.30_{+0.05}^{+0}$ hole, M2 screw hole.

View from side (A), View from side (B), Recommended piercing plan.

No. 10 ESE11SF3 Snap-in type

1-pole 1-throw

Top view dimensions: 8.0, 0.6, 0.5, 0.5, 0.6, 1.0, 0.8, 5.2, $\phi 1.2_{+0.1}^{-0}$.

Side view dimensions: 1.65, 1.0, 1.5, 5.35, 1.5, 3.35, 1.6, 1.75, 2.25, 1.5, 0.9, 3.6, 0.7, 4.5, 1.5, 7.0, 2.2, 1.27, 6.3, 7.95, 8.7, 0.1, 1.65.

Full travel ON starting position.

Recommended piercing plan (PWB thickness=0.80 ± 0.05) View from (A).

No. 11 ESE11SF4 Snap-in type

1-pole 1-throw

Top view dimensions: $\phi 1.2$, 1.0, 3.6, 3.0, 0.5, 0.6, 8.0, 0.1 min., 2.6, 0.8, 0.5, 1.0.

Side view dimensions: 1.65, 1.5, 1.0, 5.35, 6.1, 1.5, 8.7, 3.35, 4.5, 0.7, 3.6, 1.27, 2.2, 8.15, 7.4, 5.75, 0.1, 1.65.

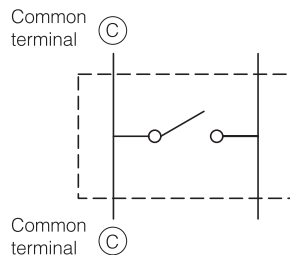
Full travel ON start position.

Recommended piercing plan (PWB thickness=0.80 ± 0.05) View from (A).

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.

Circuit Diagram

1-pole 1-throw (N.O)



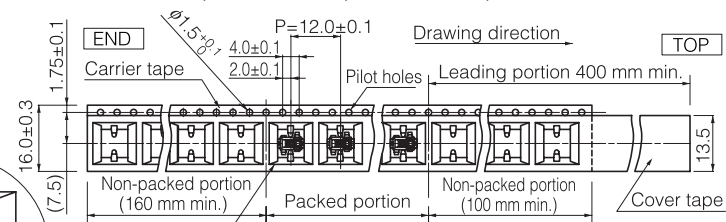
Packaging Methods

Standard Reel Dimensions in mm (not to scale)

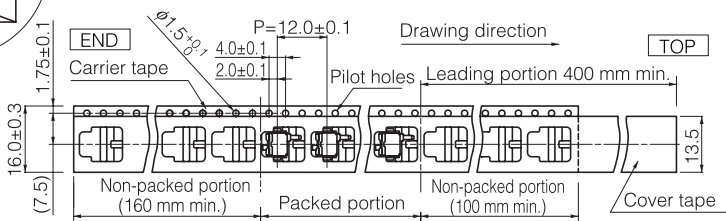
Taping Reel

Embossed Carrier Taping

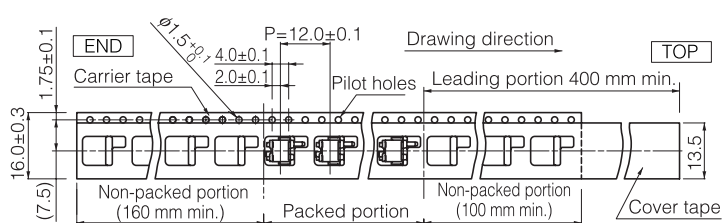
ESE11MV1T, ESE11MV5T, ESE11MV9T,



ESE11MH1T, ESE11MH2T, ESE11MH5T,



ESE11MH6T



Magazine for Automatic-inserting in mm (not to scale)

