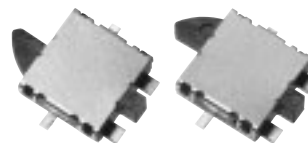


2HL Detector Switches

Type: **ESE31**



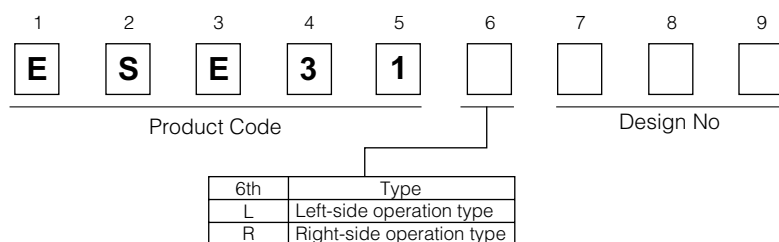
■ Features

- Increased the mounting strength Mounting strength: 80 N
- Decreased the profile of the switch body Height: 1.7 mm
- Increased the contact reliability and lifespan.
Lifespan: 100,000 operations or more

■ Recommended Applications

- Detection of media in portable electronic equipment

■ Explanation of Part Numbers



■ Specifications

Rating	50 μ A 3 Vdc to 10 mA 5 Vdc (Resistive load)
Contact Resistance	500 m Ω max. (Initial)
Insulation Resistance	100 M Ω min. (100 Vdc)
Dielectric Withstanding Voltage	100 Vac for 1 minute
Operating Force	390 mN max.
Mounting Height	1.7 mm
Poles and Throws	1-pole 1-throw
Full Travel (Pushing distance)	3.2 mm (2.15 mm)
Operating Life	50000 cycles min.
Temperature Range	-10 °C to +70 °C
Heat Resistance	+85 °C for 96 hours
Low Temperature Resistance	-40 °C for 96 hours
Humidity Resistance	+60 °C 90 % to 95 % RH for 96 hours
Minimum Quantity/Packing Unit	2500 pcs. Embossed Taping (Reel Pack)
Quantity/Cartron	15000 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.

No. 1 ESE31L11T

1-pole 1-throw

PWB mounting hole for reference

No. 2 ESE31R11T

1-pole 1-throw

PWB mounting hole for reference

1-pole 1-throw (N . O)

ESE31L11T

The diagram shows a switch with a common terminal (C) on the left and a normally open terminal (O) on the right. A dashed box encloses the switch mechanism. A line connects the common terminal to the switch mechanism, and another line connects the switch mechanism to the normally open terminal. A third line connects the common terminal to a terminal labeled 'Common terminal' on the right. A fourth line connects the normally open terminal to a terminal labeled 'Common terminal' at the bottom.

ESE31R11T

The diagram shows a switch with a common terminal (C) on the left and a normally closed terminal (O) on the right. A dashed box encloses the switch mechanism. A line connects the common terminal to the switch mechanism, and another line connects the switch mechanism to the normally closed terminal. A third line connects the common terminal to a terminal labeled 'Common terminal' on the right. A fourth line connects the normally closed terminal to a terminal labeled 'Common terminal' at the bottom.

Taping Reel

Technical drawing of a Taping Reel showing a top view and a side view. The top view is a circle with a diameter of $\phi 380.0 \pm 2.0$ mm, featuring three mounting holes. The side view shows a thickness of 16.4 mm.

Embossed Carrier Taping

Technical drawing of an Embossed Carrier Taping showing a side view. The drawing includes the following dimensions and labels:

- Overall width: 16.0 ± 0.3 mm
- Carrier tape width: 7.5 ± 0.1 mm
- Carrier tape thickness: 1.75 ± 0.1 mm
- END label
- Pitch (P): 12.0 ± 0.1 mm
- Carrier tape width: 4.0 ± 0.1 mm
- Carrier tape thickness: 2.0 ± 0.1 mm
- Drawing direction arrow
- Pilot holes
- Leading portion 400 mm min.
- TOP label
- Non-packed portion (160 mm min.)
- Packed portion
- Non-packed portion (100 mm min.)
- Cover tape
- Overall height: 13.5 mm
- Carrier tape width: $\phi 1.5 \times \phi 1$

00 Oct. 2012