

Overview

Limit switches are electromechanical devices which are particularly useful in automated installations, such as the automatic detection of the position taken up or maintained by the moving parts of a machine at any time. They are essentially made up of a driver that activates the contact element when a force is applied. Our range of position switches consists of the four **E102 – E202 – E302 – E402 series**, in thermoplastic and/or metal.

Available with **20** different **drives** and **10** different **contact elements**, three of which with four fast and slow action contacts with the positive opening of the NC contacts (in accordance with IEC24 and EN60204), and **IP66 protection level**.

A

DRIVE HEADS AVAILABLE

Straight line movement



A

Pushbutton



A/S1

Pushbutton with blower



B

Pushbutton with roller



C

Lever with plastic roller, side attachment



C/S1

Lever with plastic roller and blower, side attachment



D

Lever with plastic roller, vertical attachment



D/S1

Lever with plastic roller and blower, vertical attachment



R

Reversible, adjustable lever with plastic wheel

Angular movement



E - E/C

Straight lever with plastic roller



I - I/C

Bent lever with plastic roller



E/50

Straight lever with 50 dia. rubber roller



I/50

Bent lever with 50 dia. rubber roller



F

Variable length lever with plastic roller



F/50

Variable length lever with 50 dia. rubber roller



G/H

6 dia. variable length fibre glass rod, G, aluminium rod, H



Q

Lever with ceramic roller



IS

With lever bent inside and plastic roller

Multi-directional movement



L

Flexible rod



LP

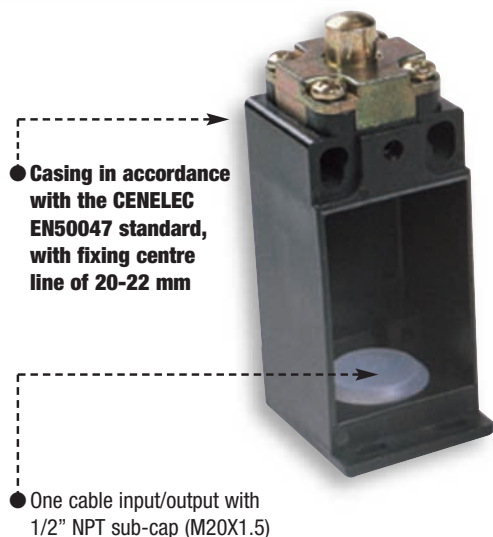
Flexible rod with plastic terminal



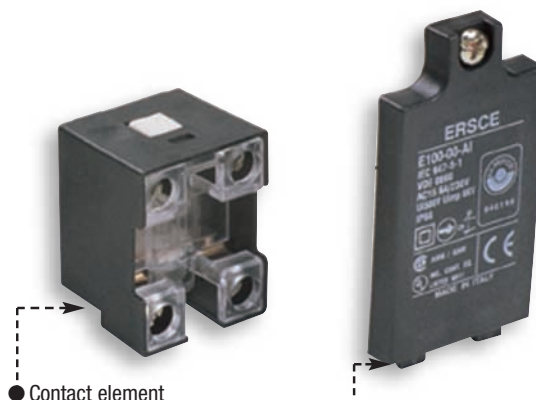
LS

Flexible rod with metal terminal

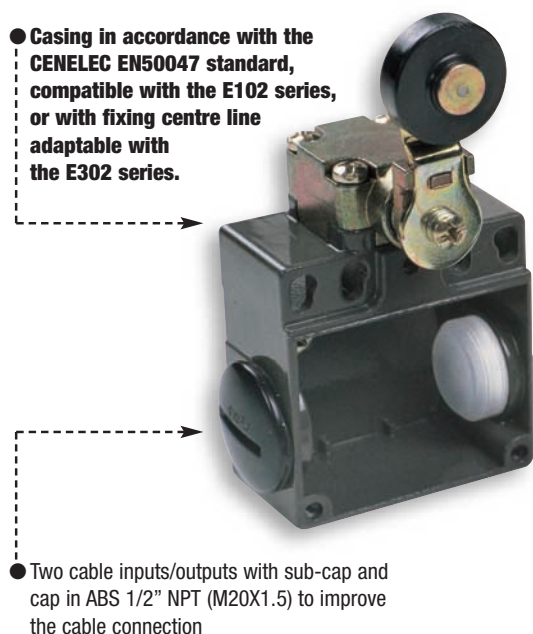
E102 Series Sec. Cenelec EN50047



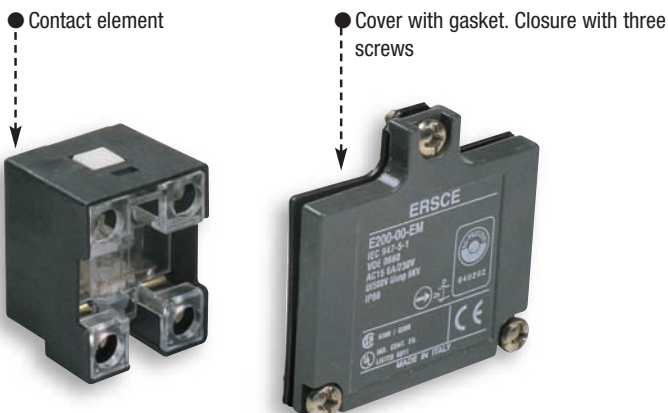
- Casing features:
 - PA6 thermoplastic reinforced with fibre glass
 - diecast metal alloy painted with oven-baked epoxy powder (earth screws for the switch)



E202 Series Sec. Cenelec EN50047

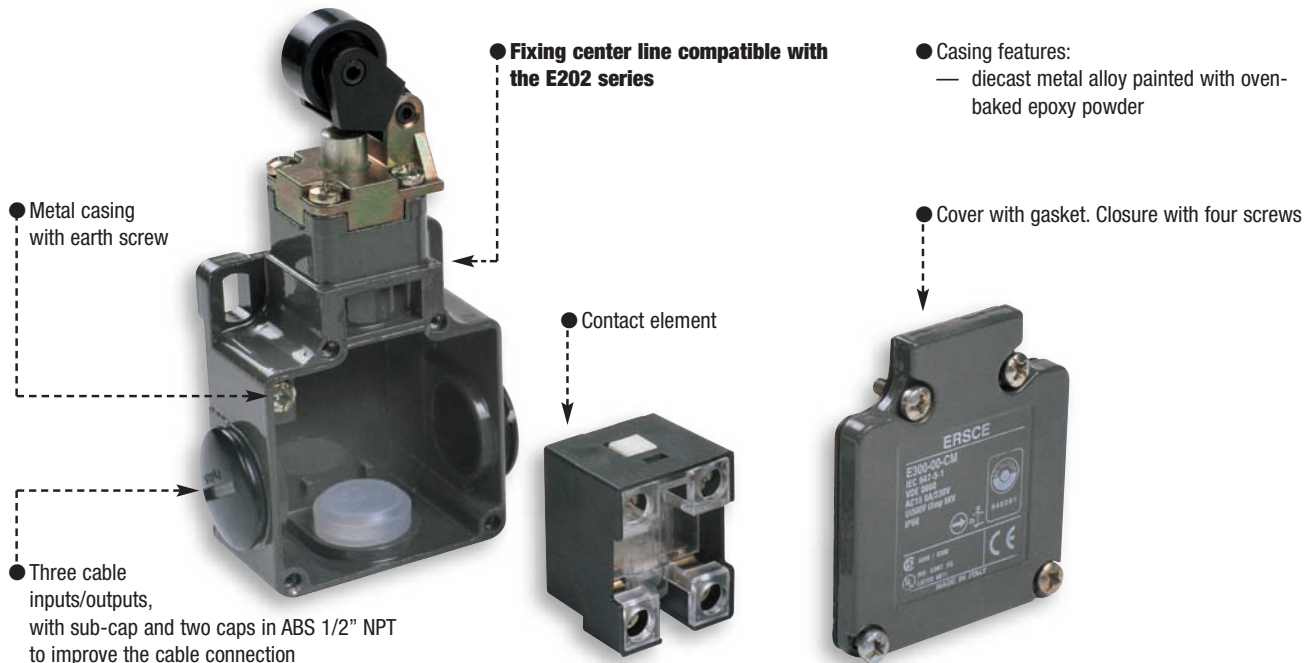


- Casing features:
 - PA6 thermoplastic reinforced with fibre glass
 - diecast metal alloy painted with oven-baked epoxy powder (earth screws for the switch)

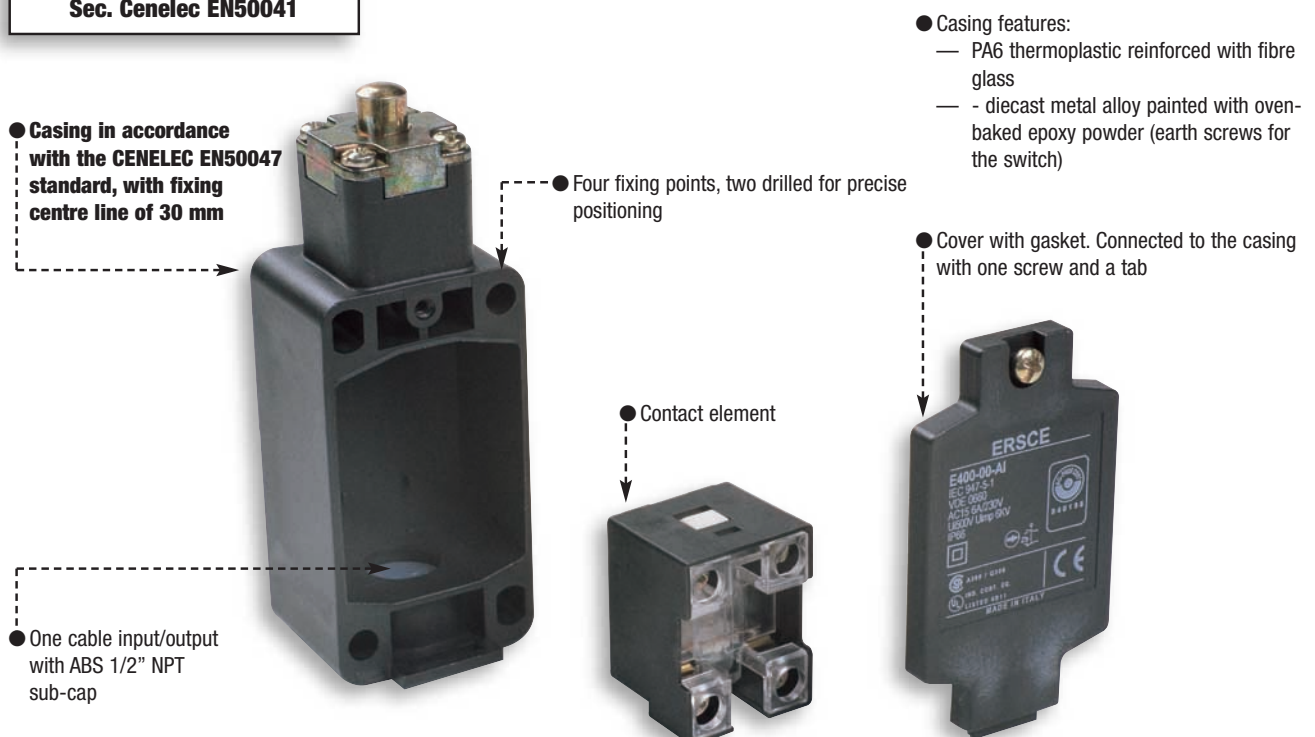


E302 Series

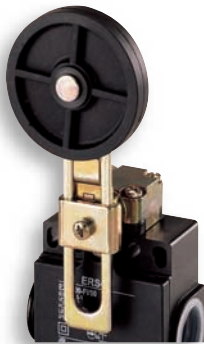
A



E402 Series Sec. Cenelec EN50041



Drive head features



● Diecast **METAL** drive head applied to

● **THERMOPLASTIC** casing in the:
E102-E202-E402...I series

● **METAL** casing in the
E102-E202-E302-E402...M series

A

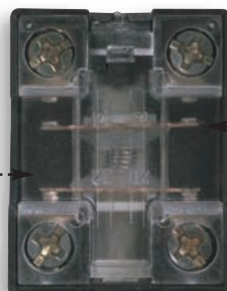


● **THERMOPLASTIC** drive head for the
E102-E402 series

-----● **METAL** casing for the
E102-E402...P series

CONTACT ELEMENTS AVAILABLE

Six fast action, positive two contact opening (00, 01, 02, 03, 04, 05) and **one with four contacts (000)**, are available for the E102-E202-E302-E402 series. In addition, **four contact** electric elements (**80-81**) are available for the E402 series



-----● **Ag/Ni** mobile and fixed contacts

● **Protective natural** polycarbonate screen to prevent the entry of materials and access to the test finger (IP20 – EN60529)

● **Galvanically separated positive opening contacts** (in accordance with IEC947-5-1, EN60204, VDE0660, VDE0113, EN292)

Overview

E600-E700 series available in 9 drive versions (see photograph). Straight line or angular movement, maximum operating precision, long electrical and mechanical duration guaranteed. Extremely compact **E700** series, with protection level **IP67** against the entry of liquid and dust. Sealed with epoxy resin at the base of the box.

A



E600...M

- PVC sheath, 4 or 5 x 0.75mm², 2 metre cables. Other measurements and CSA/UL approved cables, or other materials (PUR 0.75 mm²) are available on request.

E600...M/12

- **E600 position switches with 4 pole M12X1 brass male connector.** Output below the casing. Two types of 4 pole M12X1 female connector, straight or bent, with 2 metre cable (other measurements available) are available as accessories for the completion of the range.

- E600...M – M/12 in diecast metal alloy painted with oven baked epoxy powder (RAL 7022).

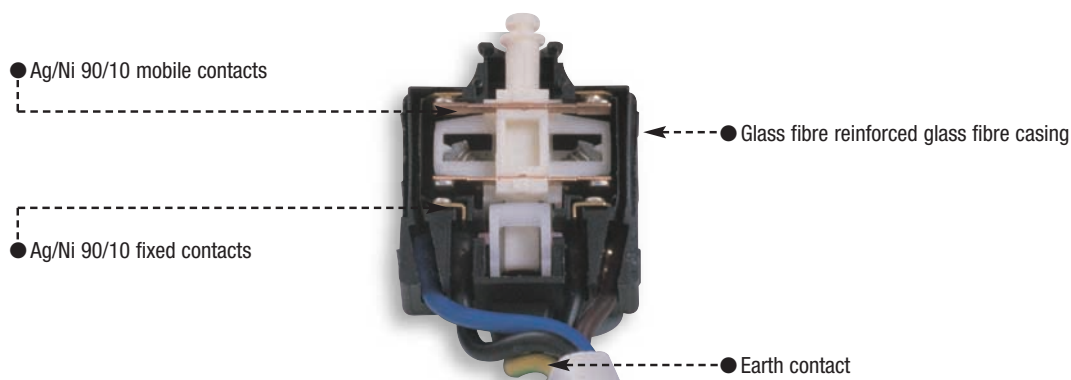
- For AL-ASL-BL drives with nuts, the limit switch can be fixed to the bench by tightening the threaded head with the nuts.

- Extremely compact E600 series, with different dimensions from the E700 series for greater choice in accordance with requirements.

- The pack fixing of several switches is possible for the E600-E700 series by means of the holes in the casings, to obtain multiple switches.

CONTACT ELEMENTS:

The E600 and E700 ranges have reduced dimension contact elements, with four terminal dual switching and galvanically separated mobile contacts. The drives are by fast action '0' and slow action '1', 1NO + 1NC, positive opening.



Overview

The **E600-E700** pre-wired position switches are indispensable for the automatic detection of the position taken up at any time by the moving parts of the machine.

The reduced dimensions and practical mounting system, together with high precision operation, make these devices suitable for uses in machine tools for moulding and transport, and in general when space is restricted and the operating conditions may be difficult.

A

E700...I - E700...M

- **E700 position switches with cable**
PVC sheath, 4 or 5 x 2 metre cables. Other measurements and CSA/UL approved cables, or other materials (PUR) are available on request.



- E700...I - E700...I/12 in dual insulation glass fibre reinforced thermoplastic;
E700...M - E700...M/12 in diecast metal alloy painted with oven baked epoxy powder (RAL 7022)

E700...I/12 - E700...M/12

- **E700 position switches with 4 pole male M12X1 brass connectors.** Side output from the casing. Two types of 4 pole M12X1 female connector, straight or bent, with 2 metre cable (other measurements available) are available as accessories for the completion of the range.



E700...I/S

- **E700 position switch with 4 pole AMP superseal 1.5 series;** series male connector. Rear output. An AMP superseal 1.5 series female connector with protection level IP67 and connector cable is available as an accessory for the completion of the range.

- For E700...I/S in thermoplastic only

