



NSAI
Standards

Irish Standard
I.S. EN 50041:1988

Low Voltage Switchgear and Controlgear for Industrial Use. Control Switches. Position Switches 42,5x80. Dimensions and Characteristics.

I.S. EN 50041:1988

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English version

Low voltage switchgear and controlgear for industrial use
Control switches
Position switches 42,5 × 80
Dimensions and characteristics

Appareillage industriel à basse tension —
Auxiliaires de commande. Interrupteurs de
position 42,5 × 80. Dimensions et
caractéristiques

Industrielle Niederspannungs-Schaltgeräte —
Hilfsstromschalter. Positionsschalter
42,5 × 80. Masse und Kennwerte

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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This European Standard has been prepared by Technical Committee CENELEC TC 17X.

1. Scope

This standard applies to certain position switches with automatic return actuator for industrial use, the standardized dimensions of which and the characteristics necessary for their application are given below.

Electric characteristics shall conform to those of IEC Publication 337 — Control switches.

This standard includes the six following types:

- roller lever (form A),
- rounded plunger (form B),
- plunger with roller (form C),
- rod lever (form D),
- rounded plunger side actuator (form F),
- roller plunger side actuator (form G).

The devices are fitted with either snap action designated (1) in clause 3 or slow make and break, designated (2) in clause 3, mechanisms.

2. Dimensions

The dimensions shown in figures 1, 2, 3, 4, 5, 6 and 7 are applicable to switches in a new condition.

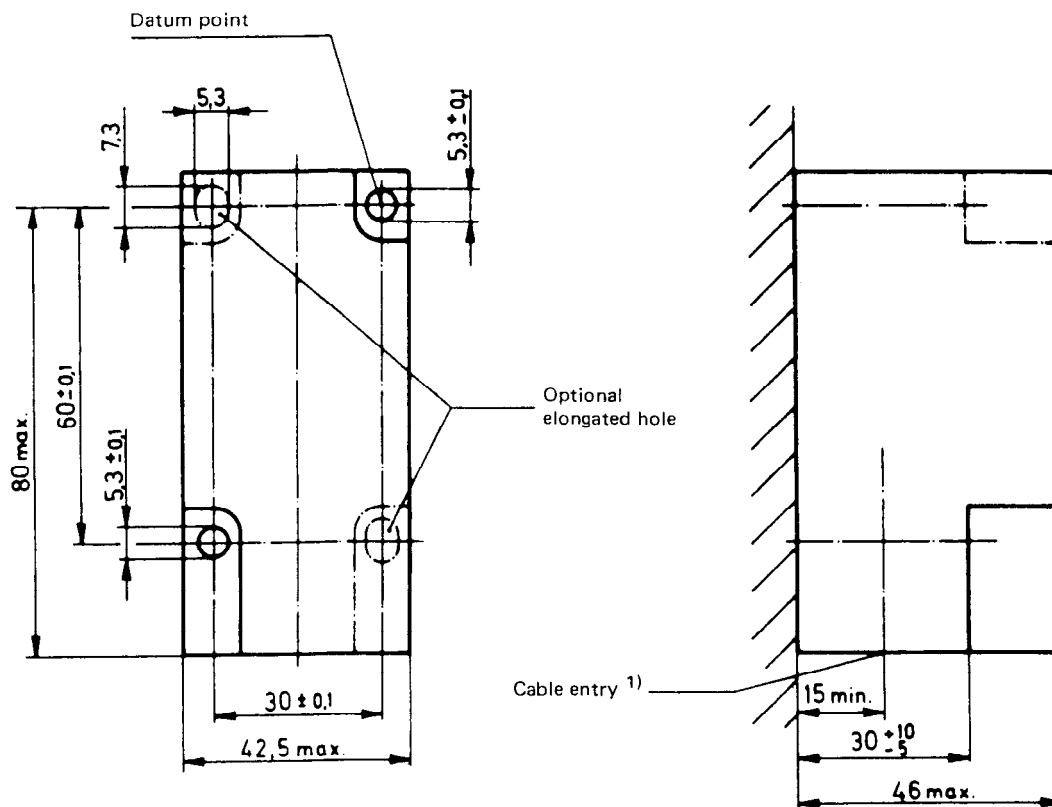
The operating point corresponds to the opening of the break-contact element. The operating point can drift during the life of the switch. The manufacturer shall indicate the direction of the drift.

The differential travel (difference between the operating and reset points) of a position switch with snap action mechanism shall be stated by the manufacturer; it is shown as H in figures 2, 3, 4, 6 and 7, and differs dependent upon the type of actuator.

Apart from the dimensions indicated, the design of these devices is not restricted.

Dimensions are given in mm.

2.1 Enclosure



1) The threaded cable entry standardized in each country (Pg 13,5 — CM 12, etc.) may be used until the publication of an international standard. The manufacturer shall specify the thread.

A cable with an external diameter not exceeding 12 mm shall pass through the cable entry.

Figure 1. Dimensions of enclosure

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