



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 50026 : 1991

ICS 29.130.20

**LOW VOLTAGE SWITCHGEAR AND  
CONTROLGEAR FOR INDUSTRIAL USE.  
INDUCTIVE PROXIMITY SWITCHES. FORM D,  
FOR DIRECT CURRENT, 3 OR 4 TERMINALS**

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**DECLARATION**

OF  
SPECIFICATION  
ENTITLED

**LOW VOLTAGE SWITCHGEAR AND CONTROLGEAR FOR INDUSTRIAL USE.  
INDUCTIVE PROXIMITY SWITCHES.  
FORM D, FOR DIRECT CURRENT, 3 OR 4 TERMINALS**

AS

**THE IRISH STANDARD SPECIFICATION FOR**

**LOW VOLTAGE SWITCHGEAR AND CONTROLGEAR FOR INDUSTRIAL USE.  
INDUCTIVE PROXIMITY SWITCHES.  
FORM D, FOR DIRECT CURRENT, 3 OR 4 TERMINALS**

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EOLAS - The Irish Science and Technology Agency in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 ( No. 20 of 1961 ) and the Science and Technology Act, 1987 (No. 30 of 1987), and with the consent of the Minister for Industry and Commerce, hereby declares as follows:

1. This instrument may be cited as the Standard Specification ( Low Voltage Switchgear and Controlgear for Industrial Use. Inductive Proximity Switches. Form D, for Direct Current, 3 or 4 Terminals ) Declaration, 1991.
2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Low Voltage Switchgear and Controlgear for Industrial Use. Inductive Proximity Switches. Form D, for Direct Current, 3 or 4 Terminals. The Schedule comprises the text of EN 50026:1987.  
  
(2) The said standard specification may be cited as Irish Standard/EN 50026 : 1991 or as I.S./EN 50026 : 1991.
3. (1) The Standard Specification (Low Voltage Switchgear and Controlgear for Industrial Use. Inductive Proximity Switches. Form D, for Direct Current, 3 or 4 Terminals) Declaration, 1982, is hereby revoked.  
  
(2) Reference in any other standard specification to the Instrument hereby revoked and to Irish Standard 526 : 1982 (EN 50026:1978) thereby prescribed, shall be construed, respectively, as references to this Instrument and to Irish Standard/EN 50026 : 1991.

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Key words: electrical switchgear and controlgear; industrial use; low voltage; proximity switches; inductive proximity switches; operating distance; operating frequency

English version

## Low voltage switchgear and controlgear for industrial use. Inductive proximity switches. Form D, for direct current, 3 or 4 terminals

Appareillage industriel à basse tension. Détecteurs de proximité inductifs. Forme D, pour courant continu, 3 ou 4 bornes

Industrielle Niederspannung-Schaltgeräte. Induktive Näherungsschalter. Form D, für Gleichspannung, 3 oder 4 Anschlüsse

This European Standard was ratified by CENELEC on 3 December 1985. CENELEC members are bound to comply with the requirements of the CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CENELEC General Secretariat has the same status as the official versions.

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# CENELEC

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

General Secretariat: rue Bréderode 2, B-1000 Brussels

This European Standard has been prepared by the CENELEC Technical Committee 17B. Dimensions in mm.

**1 Scope**

This standard specifies only inductive proximity switches for direct current, in rectangular form, with a rectangular cross-section, with 3 or 4 terminals for rated voltage not exceeding 48 V.

These devices are not embeddable in metal.

There is only one type:

With upper sensing face: D2●

**2 Definitions**

Definitions are given in European Standard EN 50 032.

**3 Dimensions**

The dimensions to be observed are shown in figure 1 and the actual range of possible dimensions is given in table 1. Apart from these dimensions, the design of the proximity switch is not restricted.

Within the overall dimensions are included the fixing means but not the cable entry.

**4 Installation** (see figure 2)

The dimensions are given for proximity switches installed in mild steel, Fe 360, according to Euronorm 27<sup>1)</sup>.

Size	$l_1$ max.	$l_2 = b_2$	$b_1$ max.
●●1	120	$45 \pm 0,5$	60
●●2	135	$65 \pm 0,5$	80
	$l_1 \geq b_1$		

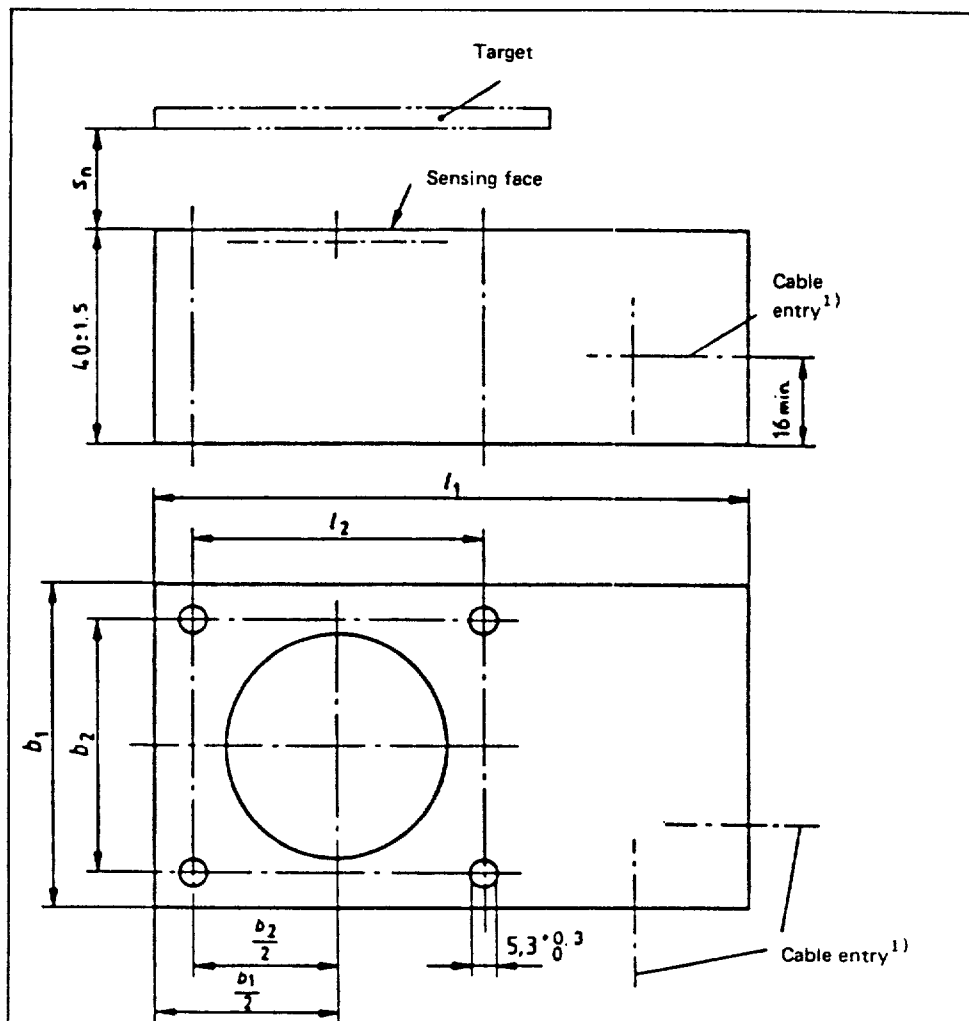


Figure 1. Inductive proximity switch. Form D

1) The threaded parts for cable entries, standardized in each country (Pg 13,5, CM12, etc.) may be used until the publication of an international standard on cable entries. Cable, the external diameter of which does not exceed 12 mm, shall pass through the cable entry.

1) Each national committee may indicate its own symbol.

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