



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 418 : 1993

ICS 13.110

**SAFETY OF MACHINERY – EMERGENCY  
STOP EQUIPMENT, FUNCTIONAL ASPECTS  
– PRINCIPLES FOR DESIGN**

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Údarás um Chaighdeáin Náisiúnta na hÉireann



## **DECLARATION**

**OF**

**SPECIFICATION**

**ENTITLED**

**SAFETY OF MACHINERY – EMERGENCY STOP EQUIPMENT,  
FUNCTIONAL ASPECTS – PRINCIPLES FOR DESIGN**

**AS**

**THE IRISH STANDARD SPECIFICATION FOR**

**SAFETY OF MACHINERY – EMERGENCY STOP EQUIPMENT,  
FUNCTIONAL ASPECTS – PRINCIPLES FOR DESIGN**

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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 Enterprise and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Safety of Machinery – Emergency Stop Equipment, Functional Aspects – Principles for Design) Declaration, 1993.
2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Safety of Machinery – Emergency Stop Equipment, Functional Aspects – Principles for Design. The Schedule comprises the text of EN 418 : 1992.  
  
(2) The said standard specification may be cited as Irish Standard/EN 418 : 1993 or as I.S./EN 418 : 1993.



EUROPEAN STANDARD

**EN 418:1992**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 1992

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UDC 62-783.5:331.45:614.8

**Descriptors:** Safety of machines, dangerous machines, accident prevention, safety devices, control devices, stopping, emergency measures, design, specifications

English version

**Safety of machinery - Emergency stop equipment,  
functional aspects - Principles for design**

Sécurité des machines - Equipement d'arrêt  
d'urgence, aspects fonctionnels - Principes de  
conception

Sicherheit von Maschinen - NOT-AUS-Einrichtung  
funktionelle Aspekte - Gestaltungsleitsätze

This European Standard was approved by CEN on 1992-10-16. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CEN**

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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## **Foreword**

CEN/TC 114-CLC/TC 44X/JWG 9 has been entrusted by CEN/TC 114 with the task of producing standards on emergency stop, prevention of unexpected start-up, isolation and energy dissipation.

This standard is the result of the first part of this task.

The standard was accepted and in accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 1993, and conflicting national standards shall be withdrawn at the latest by April 1993.

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