



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 1987-2:1998

ICS 43.120

**ELECTRICALLY PROPELLED ROAD
VEHICLES - SPECIFIC REQUIREMENTS FOR
SAFETY - PART 2: FUNCTIONAL SAFETY
MEANS AND PROTECTION AGAINST
FAILURES**

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
<http://www.nsai.ie>

Sales
<http://www.standards.ie>

*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland and comes into
effect on:
May 1, 1998*

**NO COPYING WITHOUT NSAI
PERMISSION EXCEPT AS
PERMITTED BY COPYRIGHT
LAW**

© NSAI 1998

Price Code E

Údarás um Chaighdeán Náisiúnta na hÉireann

DECLARATION
OF
SPECIFICATION
ENTITLED

ELECTRICALLY PROPELLED ROAD VEHICLES - SPECIFIC REQUIREMENTS FOR
SAFETY - PART 2: FUNCTIONAL SAFETY MEANS AND PROTECTION AGAINST
FAILURES

AS

THE IRISH STANDARD SPECIFICATION FOR

ELECTRICALLY PROPELLED ROAD VEHICLES - SPECIFIC REQUIREMENTS FOR
SAFETY - PART 2: FUNCTIONAL SAFETY MEANS AND PROTECTION AGAINST
FAILURES

NSAI in exercise of the power conferred by section 16 (3) of the National Standards Authority of Ireland Act, 1966 (No. 28 of 1996) and with the consent of the Minister for Enterprise, Trade and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Electrically propelled road vehicles - Specific requirements for safety - Part 2: Functional safety means and protection against failures) Declaration, 1998.
2. (1) The Specification set forth in the schedule to this declaration is hereby declared to be the standard specification for Electrically propelled road vehicles - Specific requirements for safety - Part 2: Functional safety means and protection against failures. The Schedule comprises the text of EN 1987-2:1997.
(2) The said standard specification may be cited as Irish Standard EN 1987-2:1998 or as I.S. EN 1987-2:1998.

EUROPEAN STANDARD

EN 1987-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 1997

ICS 43.120

Descriptors: road vehicles, electric vehicles, safety requirements, accident prevention, design, performance evaluation, hazards, safety measures, failure, protection, specifications, utilization, information

English version

**Electrically propelled road vehicles - Specific
requirements for safety - Part 2: Functional safety
means and protection against failures**

Véhicules routiers à propulsion électrique -
Prescriptions particulières pour la sécurité -
Partie 2: Mesures de sécurité fonctionnelle et
protection contre les défaillances

Elektrisch angetriebene Straßenfahrzeuge -
Besondere Festlegungen für die Sicherheit -
Teil 2: Funktionelle Sicherheitsvorkehrungen
und Schutz gegen Fehler

This European Standard was approved by CEN on 1997-05-23. 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, Czech Republic, 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

Contents

	Page
Foreword	3
1 Scope	4
2 Normative references	4
3 Definitions	4
3.1 Drive system	4
3.2 Drive direction control	4
3.3 Auxiliary functions	4
3.4 Auxiliary network	4
4 General and environmental conditions	5
5 Operational safety	5
5.1 Power on procedure	5
5.2 Driving	5
5.3 Driving backwards	6
5.4 Parking	6
5.5 Master switch	6
5.6 Electromagnetic susceptibility	6
5.7 Auxiliary function	6
6 Protection against failures	7
6.1 Unintentional vehicle behaviour	7
6.2 Connections	7
6.3 Auxiliary network	7
6.4 Over-current cut-off device	7
7 User's manual	7

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-