

STN	Malé plavidlá Elektrické prístroje Ochrana pred vznietením okolitých horľavých plynov (ISO 8846: 1990)	STN EN ISO 8846 32 0883
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Small craft - Electrical devices - Protection against ignition of surrounding flammable gases (ISO 8846:1990)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/18

Obsahuje: EN ISO 8846:2017, ISO 8846:1990

Oznámením tejto normy sa ruší
STN EN 28846 (32 0883) z decembra 1997

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Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2018
Podľa zákona č. 264/1999 Z. z. o technických požiadavkách na výrobky a o posudzovaní zhody a o zmene a doplnení niektorých zákonov v znení neskorších predpisov sa slovenská technická norma a časti slovenskej technickej normy môžu rozmnožovať alebo rozširovať len so súhlasom slovenského národného normalizačného orgánu.

EUROPEAN STANDARD

EN ISO 8846

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2017

ICS 47.080

Supersedes EN 28846:1993

English Version

Small craft - Electrical devices - Protection against ignition of surrounding flammable gases (ISO 8846:1990)

Navires de plaisance - Équipements électriques -
Protection contre l'inflammation des gaz inflammables
environnants (ISO 8846:1990)

Kleine Wasserfahrzeuge - Elektrische Geräte -
Zündschutz gegenüber entflammaren Gasen (ISO
8846:1990)

This European Standard was approved by CEN on 23 July 2017.

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 CEN-CENELEC Management Centre or to any CEN member.

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 CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

The text of ISO 8846:1990 has been prepared by Technical Committee ISO/TC 188 “Small craft” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 8846:2017.

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 February 2018, and conflicting national standards shall be withdrawn at the latest by February 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 28846:1993.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 8846:1990 has been approved by CEN as EN ISO 8846:2017 without any modification.

Annex ZA (informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 2013/53/EU

This European standard has been prepared under a mandate given to CEN by the European Commission to provide one means of conforming to Essential Requirements of the New Approach Directive 2013/53/EU.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one member state, compliance with the normative clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the relevant Essential Requirements of that Directive and associated EFTA regulations.

Table ZA.1 — Correspondence between this European Standard and Directive 2013/53/EU

Clauses/subclauses of this European Standard	Essential requirements (ERs) of EU Directive 2013/53/EU	Qualifying remarks/Notes
All clauses	I.A.5.1.1 – Inboard engine	<p>In respect of electrical devices that may be mounted on an inboard engine or in an engine enclosure in order to minimise the risk of fire.</p> <p>This Standard does not deal with accessibility of these devices in order to enable frequent inspection and/or servicing.</p> <p>This Standard does not deal with insulating materials inside the engine compartment.</p>
All Clauses	I.A.5.2.2(a) - Fuel tanks	<p>In respect of protection from electrical devices as sources of ignition which are located in fuel tank compartments.</p>
All Clauses	1.A.5.3 – Electrical system	<p>This Standard does not cover ignition protection for electrical devices that may operate in hydrogen and oxygen mixtures produced by vented batteries gases</p>

		escaping into the surrounding atmosphere.
All Clauses	Annex II, Components of watercraft (1) Ignition protected equipment for inboard and stern drive petrol engines and petrol tank spaces	

WARNING: Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard

INTERNATIONAL STANDARD

ISO
8846

First edition
1990-12-01

Small craft — Electrical devices — Protection against ignition of surrounding flammable gases

*Navires de plaisance — Équipements électriques — Protection contre
l'inflammation des gaz inflammables environnants*



Reference number
ISO 8846:1990(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 8846 was prepared by Technical Committee ISO/TC 188, *Small craft*.

Annex A of this International Standard is for information only.

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Small craft — Electrical devices — Protection against ignition of surrounding flammable gases

1 Scope

This International Standard describes test methods and requirements for the design of electrical devices to be used on small craft so that they may be operated in an explosive atmosphere without igniting surrounding flammable gases. It does not require explosion-proof or explosion-protected electrical apparatus as defined in IEC 79-0. [1]

This International Standard does not cover ignition protection procedures for products or components that may operate in hydrogen and air mixtures. Nor does it cover mechanisms of ignition from external sources, such as static electricity, lightning or other factors not related to the apparatus under test.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN