



NSAI
Standards

Irish Standard
I.S. EN IEC 63067:2020

Electrical installations for lighting and beaconing of aerodromes - Connecting devices - General requirements and tests

I.S. EN IEC 63067:2020

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN IEC 63067:2020 is the adopted Irish version of the European Document EN IEC 63067:2020, Electrical installations for lighting and beaconing of aerodromes - Connecting devices - General requirements and tests

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EUROPEAN STANDARD

EN IEC 63067

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2020

ICS 29.140.50; 93.120

English Version

**Electrical installations for lighting and beaconing of aerodromes -
Connecting devices - General requirements and tests
(IEC 63067:2020)**

Installations électriques pour l'éclairage et le balisage des
aérodromes - Dispositifs de connexion - Exigences
générales et essais
(IEC 63067:2020)

Elektrische Anlagen für Beleuchtung und Befeuerung von
Flugplätzen - Steckverbinder - Allgemeine Anforderungen
und Prüfungen
(IEC 63067:2020)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 63067:2020 (E)

European foreword

The text of document 97/216/FDIS, future edition 1 of IEC 63067, prepared by IEC/TC 97 "Electrical installations for lighting and beaconing of aerodromes" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63067:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-04-29
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-07-29

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60445	NOTE	Harmonized as EN 60445
IEC 61820 (series)	NOTE	Harmonized as EN IEC 61820 (series)
IEC 61823	NOTE	Harmonized as EN 61823
ISO 9001	NOTE	Harmonized as EN ISO 9001

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60352-2	2006	Solderless connections - Part 2: Crimped connections - General requirements, test methods and practical guidance	EN 60352-2	2006
IEC 60529	-	Degrees of protection provided by enclosures (IP Code)	-	-
IEC 61820-1	-	Electrical installations for aeronautical ground lighting at aerodromes - Part 1: Fundamental principles	EN IEC 61820-1	-
ISO 2859-1	-	Sampling procedures for inspection by attributes; part 1: sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection	-	-

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IEC 63067

Edition 1.0 2020-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Electrical installations for lighting and beaconing of aerodromes – Connecting devices – General requirements and tests

Installations électriques pour l'éclairage et le balisage des aérodromes – Dispositifs de connexion – Exigences générales et essais



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IEC 63067

Edition 1.0 2020-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Electrical installations for lighting and beaconing of aerodromes – Connecting devices – General requirements and tests

Installations électriques pour l'éclairage et le balisage des aérodromes – Dispositifs de connexion – Exigences générales et essais

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**ELECTRICAL INSTALLATIONS
FOR LIGHTING AND BEACONING OF AERODROMES –
CONNECTING DEVICES – GENERAL REQUIREMENTS AND TESTS**

FOREWORD

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International Standard IEC 63067 has been prepared by IEC technical committee 97: Electrical installations for lighting and beaconing of aerodromes.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
97/216/FDIS	97/217/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

In this document, the following print types are used:

- conformity statements: *in italic type*.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

This document is based on the Federal Aviation Administration circular AC No. 150/5345-26D, which is listed in the bibliography for convenience.

ELECTRICAL INSTALLATIONS FOR LIGHTING AND BEACONING OF AERODROMES – CONNECTING DEVICES – GENERAL REQUIREMENTS AND TESTS

1 Scope

This document applies to plugs and receptacles for single or multiple pole connecting devices used for aeronautical ground lighting applications.

Additional requirements and usage of connecting devices are given in different parts of IEC 61820 series.

Connecting devices complying with this document are suitable for use in environmental class E11 according to IEC 61820-1.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60352-2:2006, *Solderless connections – Part 2: Crimped connections – General requirements, test methods and practical guidance*

IEC 60529, *Degrees of protection provided by enclosures (IP Code)*

IEC 61820-1, *Electrical installations for aeronautical ground lighting at aerodromes – Part 1: Fundamental principles*

ISO 2859-1, *Sampling procedures for inspection by attributes – Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 61820-1, and the following apply.

NOTE Where the terms "voltage" and "current" are used in this document, they are RMS values, unless otherwise specified.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

plug

accessory having pin(s) designed to engage with the socket contact(s) of a receptacle, incorporating means for the electrical connection and insulated mechanical casting for retention of cable or wires

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