

Komponenter til lavspænding til anordninger til overspændingsbeskyttelse – Del 311: Specifikation til gasudladningsrør (GDT)

Components for low-voltage surge protective
devices – Part 311: Specification for gas
discharge tubes (GDT)

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DS/EN, hvilket betyder, at det er en europæisk standard, der har status som dansk standard.

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EQV med: IEC 61643-311:2001 og IDT med: EN 61643-311:2001. DS-publikationen er på engelsk.

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EUROPEAN STANDARD

EN 61643-311

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2001

ICS 31.100;33.040.99

English version

**Components for low-voltage surge protective devices
Part 311: Specification for gas discharge tubes (GDT)
(IEC 61643-311:2001)**

Composants pour parafoudres basse
tension
Partie 311: Spécifications pour les tubes
à décharge dans un gaz (TDG)
(CEI 61643-311:2001)

Bauelemente für
Überspannungsschutzgeräte für
Niederspannung
Teil 311: Festlegungen
für Gasentladungsableiter (ÜsAg)
(IEC 61643-311:2001)

This European Standard was approved by CENELEC on 2001-12-01. CENELEC 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 CENELEC 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 CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 37B/57/FDIS, future edition 1 of IEC 61643-311, prepared by SC 37B, Specific components for surge arresters and surge protective devices, of IEC TC 37, Surge arresters, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61643-311 on 2001-12-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2002-09-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2004-12-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61643-311:2001 was approved by CENELEC as a European Standard with the following editorial modifications:

Throughout the document, **replace** "a.c." by "AC" and **replace** "d.c." by "DC".

Delete "µs" in all *x/y* indications of waveforms:

- 6.1.6 : Table 4 headings (four times) and note ^{b)};
- 7.7 : third paragraph (twice) and from "surge generator" in Figures 8 and 9;
- 7.9 : subclause title, in the first paragraph and in the key to Figures 12 and 13;
- 7.10 : subclause title, in the third paragraph and in the key to Figures 14 and 15.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-1	1990	Environmental testing Part 2: Tests - Tests A: Cold	EN 60068-2-1	1993
IEC 60068-2-20	1979	Part 2: Tests - Test T: Soldering	HD 323.2.20 S3 ¹⁾	1988
IEC 60068-2-21	1999	Part 2-21: Tests - Test U: Robustness of terminations and integral mounting devices	EN 60068-2-21	1999
IEC 61000-4-5	1995	Electromagnetic compatibility (EMC) Part 4-5: Testing and measurement techniques - Surge immunity test	EN 61000-4-5	1995
IEC 61180-1	1992	High-voltage test techniques for low-voltage equipment Part 1: Definitions, test and procedure requirements	EN 61180-1	1994
ITU-T Recommendation K.20	2000	Resistibility of telecommunication equipment installed in a telecommunications centre to overvoltages and overcurrents	-	-

¹⁾ HD 323.2.20 S3 includes A2:1987 to IEC 60068-2-20.