SLOVENSKI STANDARD
SIST EN IEC 62683-1:2026

01-julij-2026

Nadomešča:
SIST EN 62683:2017

Nizkonapetostne stikalne in krmilne naprave - Podatki o izdelku in njegovih lastnostih za izmenjavo informacij - 1. del: Kataloški podatki (IEC 62683-1:2026)

Low-voltage switchgear and controlgear - Product data and properties for information exchange - Part 1: Catalogue data (IEC 62683-1:2026)

Niederspannungsschaltgeräte - Produktdaten und -eigenschaften für den Informationsaustausch - Teil 1: Katalogdaten (IEC 62683-1:2026)

Appareillage à basse tension - Données et propriétés de produits pour l'echange d'informations - Partie 1: Données de catalogue (IEC 62683-1:2026)

Ta slovenski standard je istoveten z: **EN IEC 62683-1:2026**

ICS:

29.130.20	Nizkonapetostne stikalne in krmilne naprave	Low voltage switchgear and controlgear

SIST EN IEC 62683-1:2026 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 62683-1

June 2026

ICS 29.130.20

Supersedes EN 62683-1:2017

English Version

Switchgear, controlgear and their assemblies for low-voltage - Product data and properties for information exchange - Part 1: Catalogue data (IEC 62683-1:2026)

Appareillages et ensembles d'appareillage basse tension - Données et propriétés de produits pour l'échange d'informations - Partie 1: Données de catalogue (IEC 62683-1:2026)

Niederspannungsschaltgeräte - Produktdaten und -eigenschaften für den Informationsaustausch - Teil 1: Katalogdaten (IEC 62683-1:2026)

This European Standard was approved by CENELEC on 2026-05-27. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

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

Ref. No. EN IEC 62683-1:2026 E

European foreword

The text of document 121/237/FDIS, future edition 2 of IEC 62683-1, prepared by TC 121 "Switchgear and controlgear and their assemblies for low voltage" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62683-1:2026.

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) 2027-06-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2029-06-30

This document supersedes EN 62683-1:2017 and all of its amendments and corrigenda (if any).

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

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 62683-1:2026 was approved by CENELEC as a European Standard without any modification.

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

IEC 60715	NOTE	Approved as EN 60715
IEC 60947-3	NOTE	Approved as EN IEC 60947-3
IEC 60947-4-2	NOTE	Approved as EN IEC 60947-4-2
IEC 60947-5-1	NOTE	Approved as EN IEC 60947-5-1
IEC 60947-5-2	NOTE	Approved as EN IEC 60947-5-2
IEC 60947-5-4	NOTE	Approved as EN 60947-5-4
IEC 60947-5-5	NOTE	Approved as EN 60947-5-5
IEC 60947-5-7	NOTE	Approved as EN IEC 60947-5-7
IEC 60947-6-1	NOTE	Approved as EN IEC 60947-6-1
IEC 60947-6-2	NOTE	Approved as EN IEC 60947-6-2
IEC 60947-7-2	NOTE	Approved as EN 60947-7-2
IEC 60947-7-3	NOTE	Approved as EN 60947-7-3
IEC 60947-8	NOTE	Approved as EN IEC 60947-8
IEC 61095	NOTE	Approved as EN IEC 61095

IEC 61439-2	NOTE	Approved as EN IEC 61439-2
IEC 61439-3	NOTE	Approved as EN IEC 61439-3
IEC 61439-4	NOTE	Approved as EN 61439-4
IEC 61439-5	NOTE	Approved as EN IEC 61439-5
IEC 61439-6	NOTE	Approved as EN 61439-6
IEC 61439-7	NOTE	Approved as EN IEC 61439-7
IEC 61439-8	NOTE	Approved as EN IEC 61439-8
IEC 61987-10	NOTE	Approved as EN 61987-10
ISO 13850	NOTE	Approved as EN ISO 13850
ISO 14025	NOTE	Approved as EN ISO 14025

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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.

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.cencenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60947-1	2020	Low-voltage switchgear and controlgear - Part 1: General rules	EN IEC 60947-1	2021
IEC 61360-1	-	Standard data element types with associated classification scheme - Part 1: Definitions - Principles and methods	EN 61360-1	-
IEC 61439-1	2020	Low-voltage switchgear and controlgear assemblies - Part 1: General rules	EN IEC 61439-1	2021

IEC 62683-1

Edition 2.0 2026-04

INTERNATIONAL STANDARD

Switchgear, controlgear and their assemblies for low-voltage - Product data and properties for information exchange -
Part 1: Catalogue data

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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Switchgear, controlgear and their assemblies for low-voltage - Product data and properties for information exchange - Part 1: Catalogue data

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as “IEC Publication(s)”). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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9) IEC draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). IEC takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, IEC had not received notice of (a) patent(s), which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at https://patents.iec.ch. IEC shall not be held responsible for identifying any or all such patent rights.

IEC 62683-1 has been prepared by committee 121: Switchgear and controlgear and their assemblies for low voltage. It is an International Standard.

This second edition cancels and replaces the first edition published in 2017. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition for reflecting the content of the IEC CDD 62683DB which has been updated with the change requests C00073, C00074, C00081, C00087, C00089, C00098, C00100, C00107, C00111, C00116, C00119, C00122, C00146, C00148, C00159, C00167, C00174 and C00135:

a) New device class descriptions: ACC304, ACC305, ACC413, ACC417, ACC503, ACC504, ACC505, ACC512, ACC516, ACC536, ACC537, ACC538, ACC540, ACC541, ACC542, ACC543, ACC544, ACC545, ACC546, ACC547, ACC548.

b) New associated properties.

c) New assembly class structure: ACC101, ACC102, ACC103, ACC104, ACC106, ACC110, ACC111, ACC112, ACC113, ACC114, ACC115, ACC116, ACC117, ACC118, ACC119, ACC120, ACC121, ACC123, ACC124, ACC125, ACC126, ACC127, ACC131, ACC132, ACC133, ACC135, ACC141, ACC142, ACC143, ACC144, ACC145, ACC146, ACC147, ACC148, ACC150, ACC151, ACC152, ACC153, ACC154, ACC155, ACC156, ACC157, ACC158, ACC159, ACC160, ACC161, ACC162, ACC163, ACC164, ACC165, ACC166, ACC167, ACC170, ACC171, ACC172, ACC173, ACC174, ACC175.

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

Draft	Report on voting
121/237/FDIS	121/241/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 62683 series, published under the general title *Switchgear, controlgear and their assemblies for low-voltage - Product data and properties for information exchange*, can be found on the IEC website.

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

– reconfirmed,

– withdrawn, or

– revised.

INTRODUCTION

Mainly large customers and wholesalers are requesting standardized product descriptions and product properties to product manufacturers. However, all stakeholders can benefit from this standardised presentation and data exchange.

Multiple associations or groups of actors launched different initiatives to try to respond to this demand but, due to the lack of standardisation of classes and properties, the situation remains unsatisfactory for both customers and manufacturers.

In order to keep the lead of product description, IEC proposes a consistent solution within its product standards.

The purpose of this document is to:

– define device classes and properties for low-voltage switchgear and controlgear and their assemblies in a dedicated standard,

– provide a basis of classes of the low-voltage switchgear and controlgear and their assemblies, and properties introduced into the IEC 61360 database maintained by IEC/SC3D (see http://std.iec.ch/iec61360).

This document is not intended to establish a hierarchy of product classes called classification.

The intended benefits of this document are to:

– reduce the costs, time and efforts of mapping data for each customer request;

– optimize the workflow of B2B exchanges;

– minimize duplication of articles in customer inventories and in databases;

– minimize losses and misinterpretation of data during exchanges;

– facilitate the selection of a product, especially regarding reliability and safety;

– give access to product data everywhere regardless of country, language and culture;

– provide product data related to environmental aspects such as material declaration;

– contribute to the fast growth of the e-business by simplifying the development of:

  • e-Catalogue allowing the differentiation of products performances, certificates, etc;

  • e-Commerce: use of electronic networks to exchange information, products, services and payments for commercial and communication purposes between individuals (consumers) and businesses, between businesses themselves.

The output of this document consists of:

– reference dictionary of low-voltage switchgear and controlgear and their assemblies using existing terms from IEC documents. However, terminology used in e-business can be relevant for the purpose of naming classes in this document to get a high level of acceptance;

– properties for e-commerce purposes, conformity of properties with product standards being the main goal of this document.

NOTE The classes "under consideration" are for information only and are intended to be completed during the next maintenance cycle.