

SLOVENSKI STANDARD SIST EN 62683:2017

01-december-2017

Nadomešča:

SIST EN 62683:2016

Nizkonapetostne stikalne in krmilne naprave - Podatki o izdelku in njegovih lastnostih za izmenjavo informacij - 1. del: Kataloški podatki (IEC 62683-1:2017)

Low-voltage switchgear and controlgear - Product data and properties for information exchange - Part 1: Catalogue data (IEC 62683-1:2017)

Niederspannungsschaltgeräte Produktdaten und -eigenschaften für den Informationsaustausch (IEC 62683-1:2017)

Appareillage à basse tension - Données et propriétés de produits pour l'échange d'informations (IEC 62683#1:2017)ai/catalog/standards/sist/169d0582-b2fc-4545-9ca9-40163dea6684/sist-en-62683-2017

Ta slovenski standard je istoveten z: EN 62683-1:2017

ICS:

29.130.20 Nizkonapetostne stikalne in Low voltage switchgear and

krmilne naprave controlgear

SIST EN 62683:2017 en

SIST EN 62683:2017

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 62683:2017

https://standards.iteh.ai/catalog/standards/sist/169d0582-b2fc-4545-9ca9-40163dea6684/sist-en-62683-2017

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM EN 62683-1

October 2017

ICS 29.130.20

Supersedes EN 62683:2015

English Version

Low-voltage switchgear and controlgear - Product data and properties for information exchange - Part 1: Catalogue data (IEC 62683-1:2017)

Appareillage à basse tension - Données et propriétés de produits pour l'échange d'informations - Partie 1: Données de catalogue (IEC 62683-1:2017) Niederspannungsschaltgeräte - Produktdaten und eigenschaften für den Informationsaustausch - Teil 1: Katalogdaten (IEC 62683-1:2017)

This European Standard was approved by CENELEC on 2017-08-16. 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.

SIST EN 62683:2017

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



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 62683-1:2017

European foreword

The text of document 121A/152a/FDIS, future edition 1 of IEC 62683-1, prepared by SC 121A "Low-voltage switchgear and controlgear" of IEC/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 62683-1:2017.

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
- latest date by which the national standards conflicting with (dow) 2020-08-16 the document have to be withdrawn

This document supersedes EN 62683:2015.

IFC/TS 60034-20-1:2002

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.

iTeh STEndorsement notice EVIEW

(standards.iteh.ai)

The text of the International Standard IEC 62683-1:2017 was approved by CENELEC as a European Standard without any modification.

SIST EN 62683:2017

https://standards.iteh.ai/catalog/standards/sist/169d0582-b2fc-4545-9ca9-

Harmonized as CLC/TS 60034-20-1:2004

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

NOTE

IEC 60127-1	NOTE	Harmonized as EN 60127-1.
IEC 60529:1989	NOTE	Harmonized as EN 60529:1991.
IEC 60529:1989/AMD1:1999	NOTE	Harmonized as EN 60529:1991/A1:2000.
IEC 60529:1989/AMD2:2013	NOTE	Harmonized as EN 60529:1991/A2:2013.
IEC 62262:2002	NOTE	Harmonized as EN 62262:2002.
IEC 60715	NOTE	Harmonized as EN 60715.
IEC 60825-1	NOTE	Harmonized as EN 60825-1.
IEC 60947-2:2016	NOTE	Harmonized as EN 60947-2:2017.
IEC 60947-3	NOTE	Harmonized as EN 60947-3.
IEC 60947-4 (series)	NOTE	Harmonized as EN 60947-4 (series).
IEC 60947-4-1:2009	NOTE	Harmonized as EN 60947-4-1:2010.

EN 62683-1:2017

IEC 60947-4-1:2009/AMD1:2012 NOTE Harmonized as EN 60947-4-1:2010/A1:2012.

IEC 60947-4-2 NOTE Harmonized as EN 60947-4-2.

IEC 60947-4-3 NOTE Harmonized as EN 60947-4-3.

IEC 60947-5-1:2016 NOTE Harmonized as EN 60947-5-1:2016.

IEC 60947-5-2:2007 NOTE Harmonized as EN 60947-5-2:2007.

IEC 60947-5-2:2007/AMD1:2012 NOTE Harmonized as EN 60947-5-2:2007/A1:2012.

IEC 60947-5-5:1997 NOTE Harmonized as EN 60947-5-5:1997.

IEC 60947-5-5:1997/AMD1:2005 NOTE Harmonized as EN 60947-5-5:1997/A1:2005.

IEC 60947-5-5:1997/AMD2:2016 NOTE Harmonized as EN 60947-5-5:1997/A2:2017.

IEC 60947-6-1:2005 NOTE Harmonized as EN 60947-6-1:2005.

IEC 60947-6-1:2005/AMD1:2013 NOTE Harmonized as EN 60947-6-1:2005/A1:2014.

IEC 60947-6-2 NOTE Harmonized as EN 60947-6-2.

IEC 60947-7-1:2009 NOTE Harmonized as EN 60947-7-1:2009.

IEC 60947-7-2:2009 NOTE Harmonized as EN 60947-7-2:2009.

IEC 60947-7-3:2009 (SNOTE Harmonized as EN 60947-7-3:2009.

IEC 60947-8 NOTE Harmonized as EN 60947-8.

SIST EN 62683:2017

IEC 60999-1:1999 ps://standards.itel No Tetalo Harmonized as EN 60999-1:2000:545-9ca9-

40163dea6684/sist-en-62683-2017

IEC 61058-1:2016 NOTE Harmonized as EN 61058-1:2017.

IEC 61095 NOTE Harmonized as EN 61095.

IEC 61140:2016 NOTE Harmonized as EN 61140:2016.

IEC 61672-1:2013 NOTE Harmonized as EN 61672-1:2013.

IEC 61987-10 NOTE Harmonized as EN 61987-10.

IEC 62271-1:2007 NOTE Harmonized as EN 62271-1:2008.

IEC 62474 NOTE Harmonized as EN 62474.

IEC 82079-1:2012 NOTE Harmonized as EN 82079-1:2012.

ISO 13850:2015 NOTE Harmonized as EN ISO 13850:2015.

ISO 14025 NOTE Harmonized as EN ISO 14025.

EN 62683-1:2017

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 When 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>	EN/HD	<u>Year</u>
IEC 60947-1	2007	Low-voltage switchgear and controlge	ar - EN 60947-1	2007
		Part 1: General rules		
+ A1	2010		+ A1	2011
+ A2	2014		+ A2	2014
IEC 61360-1	- iT	Standard data element types with assoc	iated EN 61360-1	-
classification scheme - Part 1: Definitions -				
Principles and methods.iteh.ai)				

SIST EN 62683:2017

https://standards.iteh.ai/catalog/standards/sist/169d0582-b2fc-4545-9ca9-40163dea6684/sist-en-62683-2017



IEC 62683-1

Edition 1.0 2017-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Low-voltage switchgear and controlgear—Product data and properties for information exchange – (standards.iteh.ai)

Part 1: Catalogue data

Appareillage à basse tension de Données et propriétés de produits pour l'échange d'informations – 40163 de a 6684/sist-en-62683-2017

Partie 1: Données de catalogue

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

ICS 29.130.20 ISBN 978-2-8322-4547-7

Warning! Make sure that you obtained this publication from an authorized distributor.

Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.

CONTENTS

FC	JREWORI	J	ο
IN	TRODUC	TION	8
1	Scope.		10
2	Normat	ive references	10
3	Terms	and definitions	10
4	Genera	ıl	11
5		iies	
Ü	•	riteria for naming properties	
		ttributes of a property	
6		f properties	
7		classes	
1			
		evice class attributes	
		lassification of low-voltage switchgear and controlgear	
		roperties of circuit-breaker classes	
	7.3.1	General	
	7.3.2	Circuit-breaker	
	7.3.3	Release for circuit-breaker	
	7.3.4	Residual current release for circuit-breaker. FV	
	7.3.5	Shunt release for circuit-breaker	24
	7.3.6		
	7.3.7 7.3.8	Motor-operator for circuit-breaker	∠0
	7.3.6 7.3.9	Plug-in base for circuit-breaker https://standards.tich.avcatalog/standards/sist/169d0582-b2fc-4545-9ca9- Draw-out cradle for circuit-breaker n-62683-2017	ک
		roperties of switch classes	∠0
	7.4 F	General	
	7.4.1	Switch-disconnector	
	7.4.2	Switch-disconnector-fuse	
	7.4.3	Fuse-switch-disconnector	
		roperties of contactors, starters and similar equipment classes	
	7.5.1	General	
	7.5.1	Motor protection circuit-breaker	
	7.5.2	Motor management device	
	7.5.4	Motor management device, extension module	
	7.5.5	Motor management device, extension module	
	7.5.6	Motor-starter combination	
	7.5.7	Motor-starter	
	7.5.8	AC semiconductor motor controller	
	7.5.9	Power contactor, AC switching	
	7.5.10	Capacitor contactor	
	7.5.11	Combination of contactors	
	7.5.11	Power contactor, DC switching	
	7.5.12	Thermal overload relay	
	7.5.14	Electronic overload relay	
	7.5.14	Relay for thermistor protection (PTC)	
	7.5.16	Electromechanical contactor for household and similar purposes	
	7.5.17	Transient suppressor	

7.5.18	Mechanical interlocking device	51
7.5.19	Motor-starter enclosure	52
7.5.20	Coil for contactor or contactor relay	53
7.5.21	Electromechanical latching device	53
7.5.22	Control interface for contactor	54
7.6 Pro	perties of control switch classes	55
7.6.1	General	55
7.6.2	Inductive proximity switch	55
7.6.3	Capacitive proximity switch	56
7.6.4	Non-mechanical magnetic proximity switch	57
7.6.5	Ultrasonic proximity switch	57
7.6.6	Through beam photoelectric proximity switch	58
7.6.7	Retroreflective photoelectric proximity switch	59
7.6.8	Diffuse reflective photoelectric proximity switch	60
7.6.9	Diffuse reflective photoelectric proximity switch with background suppression	62
7.6.10	Auxiliary contact block	63
7.6.11	Contactor relay	
7.6.12	Position switch	65
7.6.13	Rotary limit switch	66
7.6.14	Safety position switch with separate actuator	66
7.6.15	Guard locking safety position switch	66
7.6.16	Trip wire switch (standards.iteh.ai)	67
7.6.17	Hinge switch	67
7.6.18	Push-button SIST EN 62683:2017	68
7.6.19	Push-button SIST EN 62683:2017 Rotary button 40163dea6684/sist-en-62683-2017	69
7.6.20	Front element for rotary button	71
7.6.21	Joy stick	
7.6.22	Foot switch	73
7.6.23	Emergency stop push-button	
7.6.24	Indicator light	
7.6.25	Indicating tower	
7.6.26	Front element for push-button	
7.6.27	Contact block for control circuit	
7.6.28	Front element for emergency stop push-button	
7.6.29	Module for indicating tower	
7.6.30	Reflector for reflective photoelectric proximity switch	
7.6.31	Lamp for control device	
7.6.32	Label holder for push-button and indicator light	
7.6.33	Label plate for control operation	
7.6.34	Protective cover for control device	
7.6.35	Pneumatic time delay auxiliary contact block	
7.6.36	Electronic time delay auxiliary block	
7.6.37	Time relay	
7.6.38	Rotary encoder	
7.6.39	Linear encoder	
	perties of multiple function equipment classes	
	perties of fruitiple function equipment classes	
7.8.1	General	
1.0.1		O č

_	4	_
---	---	---

	7.8.2	Feed-through terminal block	89
	7.8.3	Disconnect terminal block	90
	7.8.4	Protective conductor terminal block	91
	7.8.5	Fuse terminal block	
		s properties	
Bibli	ography.		134
Figu	re 1 – He	eight of the device	129
Figu	re 2 – W	idth of the device	129
Figu	re 3 – Le	ength of the device	129
Tabl	e 1 – Lib	rary of blocks used in the device classes of low-voltage switchgear	12
Tabl	e 2 – Lov	w-voltage switchgear and controlgear classification	13
		cuit-breaker	
Tabl	e 4 – Re	lease for circuit-breaker	22
Tabl	e 5 – Re	sidual current release for circuit-breaker	23
Tabl	e 6 – Sh	unt release for circuit-breaker	24
Tabl	e 7 – Un	der-voltage release for circuit-breaker	25
Tabl	e 8 – Mo	tor-operator for circuit-breaker. A.R.I	26
Tabl	e 10 – D	raw-out cradle for circuit-breaker	28
		witch-disconnectorSIST FN-62683-2017	
Tabl	e 12 – S	witch-disconnector-fuse/catalog/standards/sist/169d0582-b2fc-4545-9ca9-	31
Tabl	e 13 – Fı	use-switch-disconnector	33
Tabl	e 14 – M	otor protection circuit-breaker	35
		otor management device	
Tabl	e 16 – M	otor management device, extension module	38
Tabl	e 17 – M	otor management device, operator panel	39
Tabl	e 18 – M	otor-starter combination	40
Tabl	e 19 – M	otor-starter	41
Tabl	e 20 – A	C semiconductor motor controller	42
Tabl	e 21 – P	ower contactor, AC switching	43
Tabl	e 22 – C	apacitor contactor	44
Tabl	e 23 – C	ombination of contactors	45
Tabl	e 24 – P	ower contactor, DC switching	46
Tabl	e 25 – TI	hermal overload relay	47
Tabl	e 26 – E	lectronic overload relay	48
Tabl	e 27 – R	elay for thermistor protection (PTC)	49
Tabl	e 28 – E	lectromechanical contactor for household and similar purposes	50
		ransient suppressor	
Tabl	e 30 – M	echanical interlocking device	51
		otor-starter enclosure	
Tabl	e 32 – C	oil for contactor or contactor relay	53
Tabl	e 33 – El	lectromechanical latching device	53

Table 34 – Control interface for contactor	. 54
Table 35 – Inductive proximity switch	. 55
Table 36 – Capacitive proximity switch	.56
Table 37 – Through beam photoelectric proximity switch	.58
Table 38 – Retroreflective photoelectric proximity switch	.59
Table 39 – Diffuse reflective photoelectric proximity switch	.60
Table 40 – Diffuse reflective photoelectric proximity switch with background	
suppression	
Table 41 – Auxiliary contact block	
Table 42 – Contactor relay	
Table 43 – Position switch	
Table 44 – Trip wire switch	
Table 45 – Push-button	
Table 46 – Rotary button	
Table 47 – Front element for rotary button	71
Table 48 – Joy stick	.72
Table 49 – Foot switch	.73
Table 50 – Emergency stop push-button	74
Table 51 – Indicator light ch. STANDARD PREVIEW	.75
Table 52 – Indicating tower(standards:iteh.ai)	.76
Table 52 – Indicating tower (standards.itch.ai) Table 53 – Front element for push-button	77
Table 54 – Contact block for control circuit EN.62683:2017.	78
Table 55 – Front element for emergency stop push-button Table 56 – Module for indicating tower.	79
Table 56 – Module for indicating tower	80
Table 57 – Reflector for reflective photoelectric proximity switch	81
Table 58 – Lamp for control device	.82
Table 59 – Label holder for push-button and indicator light	.82
Table 60 – Label plate for control operation	83
Table 61 – Protective cover for control device	84
Table 62 – Pneumatic time delay auxiliary contact block	84
Table 63 – Electronic time delay auxiliary block	85
Table 64 – Time relay	86
Table 65 – Rotary encoder	87
Table 66 – Linear encoder	88
Table 67 – Feed-through terminal block	89
Table 68 – Disconnect terminal block	
Table 69 – Protective conductor terminal block	
Table 70 – Fuse terminal block	
Table 71 – Library of properties used in the device classes	
Table 72 – Value lists of properties	

- 6 - IEC 62683-1:2017 © IEC 2017

INTERNATIONAL ELECTROTECHNICAL COMMISSION

LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR – 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.
- The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international
 consensus of opinion on the relevant subjects since each technical committee has representation from all
 interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user. Standards.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter. https://standards.itch.ai/catalog/standards/sist/169d0582-b2fc-4545-9ca9-
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 62683-1 has been prepared by subcommittee 121A: Low-voltage switchgear and controlgear, of IEC technical committee 121: Switchgear and controlgear and their assemblies for low voltage.

This first edition cancels and replaces the second edition of IEC 62683 published in 2015. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the second edition of IEC 62683:

- a) new device class descriptions;
- b) new associated properties;
- c) slight modifications of some properties.

IEC 62683-1:2017 © IEC 2017

-7-

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

FDIS	Report on voting
121A/152/FDIS	121A/156/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.

A list of all parts in the IEC 62683 series, published under the general title Low-voltage switchgear and controlgear – 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 "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.

iTeh STANDARD PREVIEW (standards.iteh.ai)

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which <u>are Econsidered</u> to be useful for the correct understanding of hits//contentsh Usersg should/stherefore-print5thisadocument using a colour printer.

40163dea6684/sist-en-62683-2017

IEC 62683-1:2017 © IEC 2017

INTRODUCTION

-8-

Mainly large customers and wholesalers are requesting standardized product descriptions and product properties to product manufacturers. However, all stakeholders will benefit from this standardized 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 standardization of classes and properties, the situation is not satisfactory neither for customers nor for manufacturers.

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

The purpose of this document is to:

- define device classes and properties for low-voltage switchgear and controlgear in a dedicated standard,
- provide a basis for introduction of the low-voltage switchgear and controlgear classes and properties 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: RD PREVIEW

- 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 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, and between businesses themselves.

The output of this document consists of:

- reference dictionary of low-voltage switchgear and controlgear using existing terms from IEC standards. However, terminology used in e-business may 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.

For this project, the introduction of low-voltage switchgear and controlgear within the IEC 61360 database needs to address the following technical aspects:

• IEC 61360 requires mandatory attributes. The complete set of mandatory attributes with additional relevant attributes for low-voltage switchgear and controlgear will be available within the IEC 61360 database. At the development stage, the CDD 62683 database is available at the following address:

IEC 62683-1:2017 © IEC 2017

-9-

https://cdd.iec.ch/cdd/iec62683/iec62683.nsf. Within the present document, only the most useful attributes will be presented;

• The switchgear and controlgear data model is implemented in an appropriate domain of the IEC Component Data Dictionary (CDD), IEC 61360, by creating dictionaries of blocks, classes and properties.

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 62683:2017

https://standards.iteh.ai/catalog/standards/sist/169d0582-b2fc-4545-9ca9-40163dea6684/sist-en-62683-2017