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**Nizkonapetostne stikalne in krmilne naprave - Podatki o izdelku in njegovih lastnostih za izmenjavo informacij - Tehnični podatki - 2-3. del: Funkcijska varnost in zanesljivost (IEC 62683-2-3:2024)**

Low-voltage switchgear and controlgear - Product data and properties for information exchange - Engineering data - Part 2-3: Functional safety and reliability (IEC 62683-2-3:2024)

Niederspannungsschaltgeräte - Produktdaten und Eigenschaften für den Informationsaustausch - Technische Daten - Teil 2-3: Funktionale Sicherheit und Zuverlässigkeit (IEC 62683-2-3:2024)

Appareillages et ensembles d'appareillages à basse tension - Données et propriétés de produits pour l'échange d'informations - Données d'ingénierie - Partie 2-3: Sécurité fonctionnelle et fiabilité (IEC 62683-2-3:2024)

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**Ta slovenski standard je istoveten z: EN IEC 62683-2-3:2024**

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29.130.20	Nizkonapetostne stikalne in krmilne naprave	Low voltage switchgear and controlgear
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**SIST EN IEC 62683-2-3:2025**                      **en**



EUROPEAN STANDARD

EN IEC 62683-2-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2024

ICS 29.130.20

English Version

Low-voltage switchgear and controlgear - Product data and  
properties for information exchange - Engineering data - Part 2-  
3: Functional safety and reliability  
(IEC 62683-2-3:2024)

Appareillages et ensembles d'appareillages à basse tension  
- Données et propriétés de produits pour l'échange  
d'informations - Données d'ingénierie - Partie 2-3: Sécurité  
fonctionnelle et fiabilité  
(IEC 62683-2-3:2024)

Niederspannungsschaltgeräte - Produktdaten und  
Eigenschaften für den Informationsaustausch - Technische  
Daten - Teil 2-3: Funktionale Sicherheit und Zuverlässigkeit  
(IEC 62683-2-3:2024)

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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 62683-2-3:2024 (E)****European foreword**

The text of document 121/174/FDIS, future edition 1 of IEC 62683-2-3, 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 62683-2-3:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2025-12-31 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2027-12-31 document have to be withdrawn

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The text of the International Standard IEC 62683-2-3:2024 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 61508-4:2010	NOTE	Approved as EN 61508-4:2010 (not modified)
IEC 61649:2008	NOTE	Approved as EN 61649:2008 (not modified)
IEC 61987-10:2009	NOTE	Approved as EN 61987-10:2009 (not modified)
IEC 62061:2021	NOTE	Approved as EN IEC 62061:2021 (not modified)

## 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](http://www.cencenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60947-1	-	Low-voltage switchgear and controlgear - Part 1: General rules	EN IEC 60947-1	-
IEC 61360-1	-	Standard data element types with associated classification scheme - Part 1: Definitions - Principles and methods	EN 61360-1	-
IEC 61508-2	-	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems	EN 61508-2	-
IEC 62061	-	Safety of machinery - Functional safety of safety-related control systems	EN IEC 62061	-
IEC 62683-1	-	Low-voltage switchgear and controlgear - Product data and properties for information exchange - Part 1: Catalogue data	EN 62683-1	-
ISO 13849-1	-	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design	EN ISO 13849-1	-





IEC 62683-2-3

Edition 1.0 2024-11

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Low-voltage switchgear and controlgear – Product data and properties for information exchange – Engineering data – Part 2-3: Functional safety and reliability**

**Appareillages et ensembles d'appareillages à basse tension – Données et propriétés de produits pour l'échange d'informations – Données d'ingénierie – Partie 2-3 : Sécurité fonctionnelle et fiabilité**

<https://standards.iteh.ai/catalog/standards/sist/0802cd5e-26c9-40f6-babd-fc048a7daff7/sist-en-iec-62683-2-3-2025>

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR –  
PRODUCT DATA AND PROPERTIES FOR INFORMATION EXCHANGE –  
ENGINEERING DATA –**

**Part 2-3: Functional safety and reliability**

**FOREWORD**

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IEC 62683-2-3 has been prepared by IEC technical committee 121: Switchgear and controlgear and their assemblies for low voltage. It is an International Standard.

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

Draft	Report on voting
121/174/FDIS	121/182/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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

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 – Engineering data*, 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](http://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

## iTeh Standards (<https://standards.iteh.ai>) Document Preview

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