

Components for low-voltage surge protection - Part 352: Selection and application principles for telecommunications and signalling network surge isolation transformers (SITs)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

| | |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| See Eesti standard EVS-EN IEC 61643-352:2018 sisaldab Euroopa standardi EN IEC 61643-352:2018 ingliskeelset teksti. | This Estonian standard EVS-EN IEC 61643-352:2018 consists of the English text of the European standard EN IEC 61643-352:2018. |
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English Version

Components for low-voltage surge protection - Part 352:
Selection and application principles for telecommunications and
signalling network surge isolation transformers (SITs)
(IEC 61643-352:2018)

Composants pour protection par parafoudres basse tension
- Partie 352: Principes de choix et d'application pour les
transformateurs d'isolement contre les surtensions (SIT)
dans les réseaux de signalisation et de télécommunications
(IEC 61643-352:2018)

Bauelemente für Überspannungsschutzgeräte für
Niederspannung - Teil 352: Auswahl- und
Anwendungsprinzipien für
Überspannungstrenntransformatoren (SIT) für den Einsatz
in Telekommunikations- und signalverarbeitenden
Netzwerken
(IEC 61643-352:2018)

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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

European foreword

The text of document 37B/161/FDIS, future edition 1 of IEC 61643-352, prepared by IEC/SC 37B, "Components for low-voltage surge protection" of IEC/TC 37 "Surge arresters" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61643-352:2018.

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) 2018-11-14
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-02-14

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Endorsement notice

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

| | | |
|--------------------|------|-------------------------------------------------|
| IEC 60065:2001 | NOTE | Harmonized as EN 60065:2002 (modified). |
| IEC 60068-2-1:2007 | NOTE | Harmonized as EN 60068-2-1:2007 (not modified). |
| IEC 60068-2-2:2007 | NOTE | Harmonized as EN 60068-2-2:2007 (not modified). |
| IEC 60076-1:2011 | NOTE | Harmonized as EN 60076-1:2011 (not modified). |
| IEC 60064-1 | NOTE | Harmonized as EN 60064-1. |
| IEC 60721-3-9:1993 | NOTE | Harmonized as EN 60721-3-9:1993 (not modified). |
| IEC 61340-4-8:2014 | NOTE | Harmonized as EN 61340-4-8:2015 (not modified). |
| IEC 61558-1 | NOTE | Harmonized as EN 61558-1. |
| IEC 61558-2-4:2009 | NOTE | Harmonized as EN 61558-2-4:2009 (not modified). |
| IEC 61558-2-6:2009 | NOTE | Harmonized as EN 61558-2-6:2009 (not modified). |
| IEC 61643-21 | NOTE | Harmonized as EN 61643-21. |

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.cenelec.eu.

| <u>Publication</u> | <u>Year</u> | <u>Title</u> | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|
| IEC 61643-351 | - | Components for low-voltage surge protective devices - Part 351: Performance requirements and test methods for telecommunications and signalling network surge isolation transformers (SIT) | EN 61643-351 | - |

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INTRODUCTION

This document covers surge isolation transformers whose rated impulse withstand voltage coordinates with the expected surge environment of the installation.

This type of surge protective component, SPC, isolates and attenuates transient voltages and is often used in conjunction with current diverting components (e.g. GDT, MOV, etc.) or in SPDs.

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