

Components for low-voltage surge protective devices -  
Part 351: Performance requirements and test methods  
for telecommunications and signalling network surge  
isolation transformers (SIT)

## EESTI STANDARDI EESSÕNA

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See Eesti standard EVS-EN 61643-351:2017 sisaldab Euroopa standardi EN 61643-351:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 61643-351:2017 consists of the English text of the European standard EN 61643-351:2017.
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English Version

Components for low-voltage surge protective devices -  
Part 351: Performance requirements and test methods for  
telecommunications and signalling network surge isolation  
transformers (SIT)  
(IEC 61643-351:2016)

Composants pour parafoudres basse tension -  
Partie 351: Exigences de performance et méthodes d'essai  
pour les transformateurs d'isolement contre les surtensions  
dans les réseaux de signalisation et de télécommunications  
(IEC 61643-351:2016)

Baelemente für Überspannungsschutzgeräte für  
Niederspannung - Teil 351: Leistungsanforderungen sowie  
Prüfschaltungen und -verfahren für  
Blitzisoliertransformatoren in Telekommunikations- und  
signalverarbeitenden Netzen  
(IEC 61643-351:2016)

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European Committee for Electrotechnical Standardization  
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## European foreword

The text of document 37B/155/FDIS, future edition 1 of IEC 61643-351, 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 approved by CENELEC as EN 61643-351:2017.

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 (dop) 2017-09-02
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-12-02

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

IEC 60060-1:2010	NOTE	Harmonized as EN 60060-1:2010 (not 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	NOTE	Harmonized as EN 60076-1.
IEC 60721-3-9:1993	NOTE	Harmonized as EN 60721-3-9:1993 (not modified).
IEC 61340-4-8	NOTE	Harmonized as EN 61340-4-8.
IEC 61558-1	NOTE	Harmonized as EN 61558-1.
IEC 61558-2-4	NOTE	Harmonized as EN 61558-2-4.
IEC 61558-2-6	NOTE	Harmonized as EN 61558-2-6.

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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](http://www.cenelec.eu)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60721-3-3	-	Classification of environmental conditions - EN 60721-3-3 - Part 3: Classification of groups of environmental parameters and their severities - Section 3: Stationary use at weatherprotected locations	-	-
IEC/TR 60664-2-1	2011	Insulation coordination for equipment within low-voltage systems - Part 2-1: Application guide - Explanation of the application of the IEC 60664 series, dimensioning examples and dielectric testing	-	-

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## INTRODUCTION

This part of IEC 61643 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 in conjunction with current diverting components (e.g. GDT, MOV, etc.) or surge protective devices (SPDs). It can be used in SPDs.

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