SLOVENSKI STANDARD
SIST EN 61010-2-051:2015

01-september-2015

Varnostne zahteve za električno opremo za meritve, nadzor in laboratorijsko uporabo - 2-051. del: Posebne zahteve za laboratorijsko opremo za mešanje in premešavanje (IEC 61010-2-051:2015)

Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-051: Particular requirements for laboratory equipment for mixing and stirring (IEC 61010-2-051:2015)

Sicherheitsbestimmungen für elektrische Mess-, Steuer-, Regel- und Laborgeräte - Teil 2 -051: Besondere Anforderungen an Laborgeräte zum Mischen und Rühren (IEC 61010-2-051:2015)

Règles de sécurité pour appareils électriques de mesurage, de régulation et de laboratoire -- Partie 2-051: Prescriptions particulières pour appareils de laboratoire utilisés pour mixer et agiter (IEC 61010-2-051:2015)

Ta slovenski standard je istoveten z: **EN 61010-2-051:2015**

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19.080	Električno in elektronsko preskušanje	Electrical and electronic testing
71.040.10	Kemijski laboratoriji. Laboratorijska oprema	Chemical laboratories. Laboratory equipment

SIST EN 61010-2-051:2015 **en**

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NORME EUROPÉENNE

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EN 61010-2-051

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English Version

Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-051: Particular requirements for laboratory equipment for mixing and stirring (IEC 61010-2-051:2015)

Règles de sécurité pour appareils électriques de mesurage, de régulation et de laboratoire - Partie 2-051: Exigences particulières pour appareils de laboratoire utilisés pour mixer et agiter
(IEC 61010-2-051:2015)

Sicherheitsbestimmungen für elektrische Mess-, Steuer-, Regel- und Laborgeräte - Teil 2-051: Besondere Anforderungen an Laborgeräte zum Mischen und Rühren
(IEC 61010-2-051:2015)

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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

Foreword

The text of document 66/552/FDIS, future edition 3 of IEC 61010-2-051, prepared by IEC/TC 66 "Safety of measuring, control and laboratory equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61010-2-051:2015.

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)	2016-01-14
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2018-04-14

This document supersedes EN 61010-2-051:2003.

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

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

Endorsement notice

The text of the International Standard IEC 61010-2-051:2015 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

The Bibliography of Part 1 is applicable, except as follows:

IEC 60079 (series)	NOTE	Harmonized as EN 60079 (series).
IEC 61010-2-010	NOTE	Harmonized as EN 61010-2-010.

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.

Annex ZA of Part 1 applies.

Addition

Publication	Year	Title	EN/HD	Year
IEC 62061	-	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems	EN 62061	-
-	-		+corrigendum Feb.	-
ISO 13849	series	Safety of machinery - Safety-related parts of control systems	EN ISO 13849	series

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Règles de sécurité pour appareils électriques de mesurage, de régulation et de laboratoire – Partie 2-051: Exigences particulières pour appareils de laboratoire utilisés pour mixer et agiter

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CONTENTS

FOREWORD 3
1 Scope and object 5
2 Normative references 5
3 Terms and definitions 5
4 Tests 5
5 Marking and documentation 5
6 Protection against electric shock 6
7 Protection against mechanical HAZARDS 6
8 Resistance to mechanical stresses 7
9 Protection against the spread of fire 8
10 Equipment temperature limits and resistance to heat 8
11 Protection against HAZARDS from fluids 8
12 Protection against radiation, including laser sources, and against sonic and ultrasonic pressure 8
13 Protection against liberated gases and substances, explosion and implosion 8
14 Components and subassemblies 8
15 Protection by interlocks 8
16 HAZARDS resulting from application 9
17 RISK Assessment 9
Annexes 10
Bibliography 10

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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SAFETY REQUIREMENTS FOR ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL, AND LABORATORY USE –

Part 2-051: Particular requirements for laboratory equipment for mixing and stirring

FOREWORD

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International Standard IEC 61010-2-051 has been prepared by IEC technical committee 66: Safety of measuring, control and laboratory equipment.

It has the status of a group safety publication in accordance with IEC Guide 104.

This third edition cancels and replaces the second edition published in 2003. It constitutes a technical revision and includes the following change from the second edition:

- exclusion of equipment, whose size and weight make unintentional movement unlikely, from the drop test in Clause 8,
- added requirement for interlock systems containing electric/electronic or programmable components to Clause 15,
- notes have been re-phrased according to ISO/IEC Directives.