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Členasti in zvijavi sistemi za kabelska vodila

Articulated systems and flexible systems for cable guiding

Gelenkige Systeme und flexible Systeme für die Leitungsführung

Systèmes articulés et souples pour guidage de câbles

Ta slovenski standard je istoveten z: **EN 62549:2011**

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Articulated systems and flexible systems for cable guiding (IEC 62549:2011)

Systèmes articulés et souples pour guidage de câbles (CEI 62549:2011)

Gelenkige Systeme und flexible Systeme für die Leitungsführung (IEC 62549:2011)

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

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Foreword

The text of document 23A/636/FDIS, future edition 1 of IEC 62549, prepared by SC 23A, "Cable management systems", of IEC/TC 23, "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62549:2011.

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)	2012-08-28
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2014-11-28

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The text of the International Standard IEC 62549:2011 was approved by CENELEC as a European Standard without any modification.

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 60068-2-75	1997	Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests	EN 60068-2-75	1997
IEC 60417	Data-base	Graphical symbols for use on equipment	-	-
IEC 60423	2007	Conduit systems for cable management - Outside diameters of conduits for electrical installations and threads for conduits and fittings	EN 60423	2007
IEC 60529 + A1	1989 1999	Degrees of protection provided by enclosures (IP Code)	EN 60529 + corr. May + A1	1991 1993 2000
IEC 60670-1 + corr. February	2002 2003	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 1: General requirements	EN 60670-1 + corr. March + corr. November	2005 2010 2007
IEC 60670-22	2003	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 22: Particular requirements for connecting boxes and enclosures	EN 60670-22	2006
IEC 60670-23 (mod)	2006	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 23: Particular requirements for floor boxes and enclosures	EN 60670-23	2008
IEC 60670-24	2011	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 24: Particular requirements for enclosures for housing protective devices and other power dissipating electrical equipment	-	-
IEC 60695-2-11 + corr. January	2000 2001	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products	EN 60695-2-11	2001
IEC 60695-11-5	2004	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	EN 60695-11-5	2005

Publication	Year	Title	EN/HD	Year
IEC 62262	2002	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)	EN 62262	2002

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NORME INTERNATIONALE

Articulated systems and flexible systems for cable guiding

Systèmes articulés et souples pour guidage de câbles

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ARTICULATED SYSTEMS AND FLEXIBLE SYSTEMS FOR CABLE GUIDING

FOREWORD

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This International Standard IEC 62549 has been prepared by subcommittee 23A: Cable management systems, of IEC technical committee 23: Electrical accessories.

The text of this standard is based on the following documents:

FDIS	Report on voting
23A/636/FDIS	23A/641/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

ARTICULATED SYSTEMS AND FLEXIBLE SYSTEMS FOR CABLE GUIDING

1 Scope

This International Standard specifies requirements and tests for systems with adaptable linear geometry for cable guiding intended for the accommodation and retention of cables and possibly other electrical equipment in electrical and/or communication systems installations. The maximum voltage of these installations is 1 000 V a.c. and 1 500 V d.c.

This standard does not apply to cable trunking systems, cable ducting systems, conduit systems, cable tray systems, cable ladder systems, powertrack systems, energy conveying chains or equipment covered by other standards.

2 Normative references

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.

IEC 60068-2-75:1997, *Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests*

IEC 60417, *Graphical symbols for use on equipment*

IEC 60423:2007, *Conduit systems for cable management – Outside diameters of conduits for electrical installations and threads for conduits and fittings*

IEC 60529:1989, *Degrees of protection provided by enclosures (IP Code)*
Amendment 1 (1999)[1]

IEC 60670-1:2002, *Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements*

IEC 60670-22:2003, *Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 22: Particular requirements for connecting boxes and enclosures*

IEC 60670-23:2006, *Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 23: Particular requirements for floor boxes and enclosures*

IEC 60670-24:2011, *Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 24: Particular requirements for enclosures for housing protective devices and other power dissipating electrical equipment*

IEC 60695-2-11:2000, *Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end-products*
Corrigendum (2001)

1 There exists a consolidation version of IEC 60529 (2001), which contains IEC 60529 (1989) and its amendment 1 (1999).

IEC 60695-11-5:2004, *Fire hazard testing – Part 11-5: Test flames – Needle-flame test method - Apparatus, confirmatory test arrangement and guidance*

IEC 62262:2002, *Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)*

3 Terms and definitions

For the purpose of this document, the following definitions apply.

3.1
articulated system for cable guiding
assembly comprising an articulated length for cable guiding and possibly other system components to provide accommodation of cables and possibly the accommodation of other electrical equipment

NOTE 1 An example of an articulated system for cable guiding is shown in Figure 1.

NOTE 2 Examples of application are shown in Figure 3.

3.2
flexible system for cable guiding
assembly comprising a flexible length for cable guiding and possibly other system components to provide accommodation of cables and possibly the accommodation of other electrical equipment

NOTE 1 Examples of flexible system for cable guiding are shown in Figure 2.

NOTE 2 Examples of application are shown in Figure 3.

3.3
system component
part of the system which includes

a) articulated length for cable guiding or flexible length for cable guiding,

b) box,

c) apparatus mounting device,

d) fixing device,

e) system accessory

NOTE A system does not necessarily include all system components a) to e). Different combinations of system components may be used.

3.4
articulated length for cable guiding
system component of an articulated system for cable guiding consisting of several elements which are connected by articulated joint(s)

3.5
flexible length for cable guiding
system component of a flexible system for cable guiding with adaptable linear geometry other than articulated length

3.6
enclosure
combination of parts, such as boxes, covers, cover-plates, lids, box extensions, accessories, etc. providing, after assembly and installation as in normal use, an appropriate protection against external influences and a defined protection against contact with enclosed live parts from any accessible direction