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Kabelförskruvningar för elektriska installationer

Cable glands for electrical installations

Som svensk standard gäller europastandarden EN 62444:2013. Den svenska standarden innehåller den officiella engelska språkversionen av EN 62444:2013.

Nationellt förord

Europastandarden EN 62444:2013

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 62444, First edition, 2010 - Cable glands for electrical installations**

utarbetad inom International Electrotechnical Commission, IEC.

Tidigare fastställd svensk standard SS-EN 50262, utgåva 1, 1999, SS-EN 50262/A1, utgåva 1, 2001 och SS-EN 50262/A2, utgåva 1, 2005, gäller ej fr o m 2016-09-23.

Standarder underlättar utvecklingen och höjer elsäkerheten

Det finns många fördelar med att ha gemensamma tekniska regler för bl a säkerhet, prestanda, dokumentation, utförande och skötsel av elprodukter, elanläggningar och metoder. Genom att utforma sådana standarder blir säkerhetskraven tydliga och utvecklingskostnaderna rimliga samtidigt som marknadens acceptans för produkten eller tjänsten ökar.

Många standarder inom elområdet beskriver tekniska lösningar och metoder som åstadkommer den elsäkerhet som föreskrivs av svenska myndigheter och av EU.

SEK är Sveriges röst i standardiseringsarbetet inom elområdet

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Stora delar av arbetet sker internationellt

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Standardiseringsarbetet inom SEK är organiserat i referensgrupper bestående av ett antal tekniska kommittéer som speglar hur arbetet inom IEC och CENELEC är organiserat.

Arbetet i de tekniska kommittéerna är öppet för alla svenska organisationer, företag, institutioner, myndigheter och statliga verk. Den årliga avgiften för deltagandet och intäkter från försäljning finansierar SEKs standardiseringsverksamhet och medlemsavgift till IEC och CENELEC.

Var med och påverka!

Den som deltar i SEKs tekniska kommittéarbete har möjlighet att påverka framtida standarder och får tidig tillgång till information och dokumentation om utvecklingen inom sitt teknikområde. Arbetet och kontakterna med kollegor, kunder och konkurrenter kan gynnsamt påverka enskilda företags affärsutveckling och bidrar till deltagarnas egen kompetensutveckling.

Du som vill dra nytta av dessa möjligheter är välkommen att kontakta SEKs kansli för mer information.

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Cable glands for electrical installations
(IEC 62444:2010, modified)

Presse-étoupes pour installations
électriques
(CEI 62444:2010, modifiée)

Kabelverschraubungen für elektrische
Installationen
(IEC 62444:2010, modifiziert)

This European Standard was approved by CENELEC on 2013-09-23. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CENELEC

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

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Foreword

This document (EN 62444:2013) consists of the text of IEC 62444:2010 prepared by IEC/TC 23 "Electrical accessories", together with the common modifications prepared by CLC/TC 213 "Cable management systems".

The following dates are fixed:

- latest date by which this document has to be implemented (dop) 2014-09-23
at national level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2016-09-23

This document supersedes EN 50262:1998.

EN 62444:2013 includes the following significant technical changes with respect to EN 50262:1998:

- 1 Scope
- 3 Terms and definitions
- 5 General conditions for tests
- 6 Classification
- 9 Mechanical properties
- 9.5 Resistance to impact
- 10.3.2 Electrical current test
- 12.2 Resistance to corrosion
- Table 2 – Pull forces for cable retention and cable anchorage

Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 62444:2010 are prefixed "Z".

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).

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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
+ A1	1999		+ corr. May + A1	1993 2000
IEC 60695-2-11	2000	Fire hazard testing -	EN 60695-2-11	2001
+ corr. January	2001	Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products		
ISO 868	2003	Plastics and ebonite - Determination of indentation hardness by means of a durometer (Shore hardness)	EN ISO 868	2003
ISO 4287	1997	Geometrical Product Specifications (GPS) - Surface texture: Profile method - Terms, definitions and surface texture parameters	EN ISO 4287	1998
ISO 9227	2006	Corrosion tests in artificial atmospheres - Salt spray tests	EN ISO 9227	2006

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CABLE GLANDS FOR ELECTRICAL INSTALLATIONS

1 Scope

This Standard provides requirements and tests for the construction and performance of cable glands. This standard covers complete cable glands as supplied by the manufacturer or the supplier responsible for placing the product on the market. This standard does not cover cable glands for mineral insulated cables.

This standard covers cable glands with IEC 60423 metric entry threads.

This standard can be used as a guide for cable glands with other type of entry threads.

NOTE Certain cable glands may also be used "in Hazardous Areas." Regard should then be taken of other or additional requirements necessary for the enclosure to be installed in such conditions, for example as specified in the IEC 60079 series.

2 Normative references

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.

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

ISO 868:2003, *Plastics and ebonite – Determination of indentation hardness by means of durometer (Shore hardness)*

ISO 4287:1997, *Geometrical product specifications (GPS) – Surface texture: Profile method – Terms, definitions and surface texture parameters*

ISO 9227:2006, *Corrosion tests in artificial atmospheres – Salt spray tests*

¹ There is a consolidated edition 2.1 (2001) that includes IEC 60529 (1989) and its amendment 1 (1999).