



SLOVENSKI STANDARD

SIST HD 60364-7-718:2013

01-oktober-2013

Nizkonapetostne električne inštalacije - 7-718. del: Zahteve za posebne inštalacije ali lokacije - Komunalne naprave in delovna mesta

Low-voltage electrical installations - Part 7-718: Requirements for special installations or locations - Communal facilities and workplaces

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Installations électriques à basse tension -- Partie 7-718: Exigences pour les installations et emplacements spéciaux - Etablissements recevant du public et lieux de travail

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Ta slovenski standard je istoveten z: **HD 60364-7-718:2013**

ICS:

91.140.50 Sistemi za oskrbo z elektriko Electricity supply systems

SIST HD 60364-7-718:2013

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

HD 60364-7-718

August 2013

ICS 91.140.50

English version

**Low-voltage electrical installations -
Part 7-718: Requirements for special installations or locations -
Communal facilities and workplaces
(IEC 60364-7-718:2011)**

Installations électriques à basse tension -
Partie 7-718: Exigences pour les
installations et emplacements spéciaux -
Etablissements recevant du public et lieux
de travail
(CEI 60364-7-718:2011)

Errichten von Niederspannungsanlagen -
Teil 7-718: Anforderungen für
Betriebsstätten, Räume und Anlagen
besonderer Art -
Öffentliche Einrichtungen und
Arbeitsstätten
(IEC 60364-7-718:2011)

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This European Standard was approved by CENELEC on 2013-05-14. 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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 64/1752/FDIS, future edition 1 of IEC 60364-7-718, prepared by IEC/TC 64 "Electrical installations and protection against electric shock" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as HD 60364-7-718:2013.

A draft amendment, which covers common modifications to IEC 60364-7-18:2011, was prepared by CLC/TC 64 "Electrical installations and protection against electric shock" and approved by CENELEC.

The following dates are fixed:

- latest date by which this document has to be implemented (dop) 2014-05-14
at national level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with (dow) 2016-05-14
this document have to be withdrawn

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.

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Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 60364-7-718:2011 are prefixed "Z".

In this document, the common modifications to IEC 60364-7-718:2011 are indicated by a vertical line in the left margin of the text.

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Endorsement notice

The text of the International Standard IEC 60364-7-718:2011 was approved by CENELEC as a European Standard with agreed common modifications.

Introduction

The particular requirements of this part of HD 60364 supplement, modify or replace certain of the general requirements contained in Parts 1 to 6 of HD 60364.

The clause numbering appearing after 718 refers to the corresponding parts or clauses of HD 60364, Parts 1 to 6¹. Numbering of clauses does not, therefore, necessarily follow sequentially. Numbering of additional text is shown by the addition of “.101, etc.”. Numbering of figures and tables takes the number of this part followed by a sequential number. For annexes, the numbering of figures and tables takes the letter of the annex, the number of the part and a sequential number.

The absence of reference to a part or clause means that the general requirements contained in Parts 1 to 6 of HD 60364 are applicable.

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NOTE _____

¹ For historical reasons, HD 60364-1:2008 numbering is as follows: 11 Scope; 12 Normative references; 20 Terms and definitions, etc.

718 Communal facilities and workplaces

718.1 Scope

This part of HD 60364 provides additional requirements for electrical installations applicable to communal facilities and workplaces.

Typical examples of communal facilities and workplaces are listed below:

- assembly halls, assembly rooms;
- exhibition halls;
- theatres, cinemas;
- sports arenas;
- sales areas;
- restaurants;
- hotels, guest houses, residential care homes;
- schools;
- enclosed car parks;
- meeting places, swimming halls, airports, railway stations, high-rise buildings;
- workshops, factories and industrial plants.

Access routes and escape routes are part of the above-mentioned examples.

The necessity of providing safety services in special buildings and areas may be governed by national regulations which may contain more stringent requirements.

NOTE For safety services see HD 60364-5-56.

718.2 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.

HD 60364-5-51:2009, *Electrical installations of buildings – Part 5-51: Selection and erection of electrical equipment – Common rules (IEC 60364-5-51: 2005)*

718.3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

718.3.1

communal facility

location, building or part of a building open to the public

718.3.2

workplace

location, building or part of a building in which employees conduct activities relating to their employment

718.4 Protection for safety**718.42 Protection against thermal effects****718.422 Precautions where particular risks of fire exist****718.422.2 Conditions of evacuation in an emergency**

Add the following:

718.422.2.101 For communal facilities and workplaces the appropriate condition (BD2, BD3 of BD4) shall be established and the appropriate clauses of Part 42 have to be taken into account.

718.422.3.7

Add the following:

718.422.3.7.101 Motors which are not supervised continuously shall be protected by a thermal protective device or shall be impedance protected motors.

This requirement does not apply to:

- motors in workplaces with a nominal power less than 500 W;
- motors which will not be overheated in the event of stalling

718.422.Z1

Means shall be provided to switch off the electrical installation for non-essential equipment in areas of the buildings that are unoccupied

NOTE For example the electrical installation for

- break rooms
- canteens
- dressing rooms
- sales areas
- exhibitions rooms

718.5 Selection and erection of electrical equipment**718.51 Common rules****718.512 Operational conditions and external influences**

718.512.Z1 Suspended fixed equipment having a weight of more than 5 kg shall be fitted with an additional independent suspension device.

Each independent suspension device shall be so constructed to be able to carry safely 5 times the weight.

These requirements do not concern luminaires as they are covered in Clause 718.559.

NOTE Cables and chains are permitted as the second means of suspension.

718.53 Isolation, switching and control**718.536 Isolation and switching**

Add the following:

718.536.101 The distance between the means of switching off for the electrical installation and the place where the corresponding supply cables enter the building shall be as short as practicable.

NOTE National regulations may require that a means of switching off the electrical installation be provided. Such regulations may also prescribe its location and that it be either installed at an effectively locked location near the entrance to the building or directly accessible by authorized persons only from the outside.

718.536.102 If there is equipment in the premises that must remain energized when the building is unoccupied, the electrical installation shall be designed accordingly.

NOTE Consideration should be given to the provision of separate circuits for such equipment.

718.55 Other equipment

718.559 Luminaires and lighting installations

Add the following:

718.559.101 Maintenance of lighting circuits

718.559.101.1 Maintenance of adequate levels of illumination shall be determined by a risk assessment of the premises taking account of the classification of Annex A and Annex ZA of HD 60364-5-51:2009.

NOTE 1 In some countries legislation may impose additional requirements.

The different options are as follows:

- Locations with low risk: single normal lighting final circuit.

NOTE 2 This is valid for code BD1 in Annex A and Annex ZA of HD 60364-5-51:2009.

- Other locations: two or more normal lighting final circuits with luminaires supplied in such a way that failure of any one circuit will not leave any part of the location with an insufficient level of illumination.

If RCDs are used no RCD shall protect more than one final circuit

NOTE 3 This is valid for codes BD2 to BD4 in Annex A and Annex ZA of HD 60364-5-51:2009.

NOTE 4 Emergency lighting circuits as required can be added to either option.

718.559.101.2 If the normal lighting of a location accessible to the public can be dimmed, means shall be provided to reinstate the full level of illumination by an appropriately located switch.

NOTE In areas such as some places of entertainment it may be necessary to ensure lighting cannot be operated by unauthorized persons.

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 Where 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 60364-5-51 (mod.)	2005	Electrical installations of buildings Part 5-51: Selection and erection of electrical equipment - Common rules	HD 60364-5-51	2009

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