



SLOVENSKI STANDARD

kSIST FprHD 60364-7-718:2010/oprAA:2012

01-junij-2012

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

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

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

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: FprHD 60364-7-718:2010/prAA:2012

ICS:

91.140.50 Sistemi za oskrbo z elektriko Electricity supply systems

kSIST FprHD 60364-7-718:2010/oprAA:2012

en

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HARMONIZATION DOCUMENT
DOCUMENT D'HARMONISATION
HARMONISIERUNGSDOKUMENT

DRAFT
FprHD 60364-7-718
prAA
April 2012

ICS 91.140.50

English version

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

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

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

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This draft amendment prAA, if approved, will modify the Harmonization Document FprHD 60364-7-718:2010; it is submitted to CENELEC members for CENELEC enquiry.

Deadline for CENELEC: 2012-09-14.

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It has been drawn up by CENELEC TC 64.

If this draft becomes an amendment, CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this amendment on a national level.

This draft amendment, was established by CENELEC in three official versions (English, French, German).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, 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.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a Harmonization Document. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a Harmonization Document.

CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

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Foreword

- 2 This draft amendment to the draft European Standard FprHD 60364-7-718:2010 was prepared by
3 CLC/TC 64 "Electrical installations and protection against electric shock". It contains common
4 modifications to IEC 60364-7-718:2011, Ed. 1) and is submitted to the Enquiry.
- 5 If approved, this draft amendment will be merged together with FprHD 60364-7-718:2010 and both
6 drafts will be published as one single document, i.e. HD 60364-7-718:201X (based on
7 IEC 60364-7-718:2011, modified), with the implementation dates of this FprAA.
- 8 Clauses, subclauses, notes, tables, figures and annexes which are additional to those in
9 IEC 60364-7-718:2011 are prefixed "Z".

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10 **Text of prAA:2012 to FprHD 60364-7-718:2010**

11 **718 Communal facilities and workplaces**

12 **718.1 Scope**

13 In the note, **replace** 'IEC 60364-5-56' by ' HD 60364-5-56'.

14 **718.2 Normative references**

15 **Replace** the reference to IEC 60364-5-51:2005 by the following:

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

18 **718.422 Precautions where particular risks of fire exist**

19 After 718.422.3.7.101, **add** the following:

20 **718.422.Z1**

21 Means may be available to switch off the electrical installation for non-essential equipment in areas of
22 the buildings that are unoccupied.

23 NOTE For example the electrical installation for

- 24 - break rooms
- 25 - canteens
- 26 - dressing rooms
- 27 - sales areas
- 28 - exhibitions rooms

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29 **718.5 Selection and erection of electrical equipment**

30 Before 718.53, **add** the following:

31 **718.512.Z1** Suspended temporary fixed equipment having a weight of more than 5 kg shall be fitted
32 with an additional independent suspension device.

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

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

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

37 **718.559.101 Maintenance of lighting circuits**

38 In the 1st paragraph, **replace** 'Table 51A of IEC 60364-5-51:2005' by 'Annex A and Annex ZA of
39 HD 60364-5-51:2009'.

40 In Note 2 and Note 3, **replace** 'Table 51A' by 'Annex A and Annex ZA of HD 60364-5-51:2009'.

41 **Annexes**

42 **Add** Annex ZA and **replace** Annex A by Annex ZB as follows.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

48 The following documents, in whole or in part, are normatively referenced in this document and are
49 indispensable for its application. For dated references, only the edition cited applies. For undated
50 references, the latest edition of the referenced document (including any amendments) applies.

51 NOTE Where an International Publication has been modified by common modifications, indicated by (mod), the relevant
52 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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Annex ZB (normative)

Special national conditions

58 **Special national condition:** National characteristic or practice that cannot be changed even over a
59 long period, e.g. climatic conditions, electrical earthing conditions.

60 NOTE If it affects harmonization, it forms part of the Harmonization Document.

61 For the countries in which the relevant special national conditions apply these provisions are
62 normative, for other countries they are informative.

| Country | Clause | Special national conditions |
|---------|------------------|---|
| IT | General | The requirements of this part are covered by the general requirements of the other parts of IEC 60364 |
| ES | 718 | In Spain, electrical installations in communal facilities and workplaces shall comply with the R.D. 842/2002 (REBT ITC-BT-28). |
| DK | 718.421 (new) | <p>In communal facilities and workplaces the electrical equipment must not give increased life to a fire.</p> <p>No equipment shall contain flammable liquid. Meters, protective devices, time switches etc. shall be placed in an enclosure.</p> <p>If the total surface area of one or more enclosures mounted together is less than or equal to 1 m², it shall be made of one of the following materials: Metal.</p> <p>An insulation material complying with the glow wire test in accordance with IEC 60695-2 series for 650 °C.</p> <p>If the total surface area of one or more enclosures mounted together is greater than 1 m², it shall be made of one of the following materials: Metal. Another non- flammable material. An insulation material complying with the glow-wire test in accordance with IEC 60695-2 series for 750 °C.</p> <p>Enclosures of luminaires installed within arm's reach (e.g. lower than 2,5 m above floor level) in public access routes and escape routes indoors in dwelling houses shall comply with the needle flame test of 13.3.1, the flame being applied for 30 s.</p> |
| DE | 718.421.2 | The main and sub distribution boards shall be so designed that it is possible to carry out a simple measurement of the insulation resistance of all conductors in each outgoing circuit with respect to earth. In the case of conductor cross sections below 10 mm ² it shall be possible to carry out this measurement without disconnecting the neutral conductor, e.g. by means of installed isolating terminals for the neutral. |
| DE | 718.512.2.5 | If there is the danger of mechanical damaging, the housing of distribution boards must be of steel sheet or the switchgear it must be located in a separate location. |
| DE | 718.520.5 | Equipment temporary fixed shall be locked with an additional independent device. |

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| DE | 718.520.6 | Cables on theatre stages shall be mounted only on the surface of walls. They must be sufficiently mechanically protected and an easily inspection of the operation conditions shall be possible. |
| DE | 718.520.7 | Multi-core cables supplying theatre stages can be used under the following conditions: <ul style="list-style-type: none"> - For the guarantee of sufficient heat distribution a distance from at least one cable diameter is to be kept to parallel cables. - The cables may be installed only on non flammable surface, e.g. on solid walls or structural steelworks. In all other cases a separation of non flammable material between surface and cable shall be installed. - The cables must be installed without cutting between the electrical operating rooms and the used electrical equipment or terminal boxes. - All circuits of a multi-wire cable must be switchable by a common switch. This switch may switch also several multi-wire cables. |
| DE | 718.520.8 | Cable for luminaries in areas for visitors are to be installed on ladders in such a way that they cannot be damaged by a fire on the theatre stage. |
| DE | 718.520.9 | Cables which are not permanently installed, rubber insulated cables 05RR or equivalent design shall be used. Outside the arms reach lighting-chains and Illuminations-flat cores NIFLÖU or of equivalent design can be used. |
| DE | 718.520.10 | To connect not fixed installed luminaries, installed on racks, only rubber insulated cables 07RN or cables of equivalent design may be used. |
| DE | 718.520.11 | Plugs and sockets If cable or wire are not fixed installed, i.e. for passing installations in theatres, assembling rooms, sport arenas, the plugs and sockets shall be of solid design. It is only permitted to use standardised equipment as specified in IEC 60309-1 for this special application. |
| DK | 718.53 (new) | Special requirements for rooms intended for more than 50 persons Switches and protective devices shall not be accessible to the public. This is not applicable for switches which can ease the evacuation in case of danger. NOTE This inaccessibility requirement is not applicable for areas where the locality is well known, e.g. in a school classroom. |
| UK | 718.559.101 | In the UK, lighting levels shall comply with BS EN 12464-1. |

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| DK | 718.559 (new) | <p>Special requirements for public access routes</p> <p>Adjacent luminaires shall be mounted on different final circuits. A control device, if any, shall be mounted on its own final circuit.</p> <p>The lighting in a public access route shall be either</p> <ul style="list-style-type: none"> – switched on by the help of a push button, or – switched on by the help of a time switch or light depending switch, or – constantly on. <p>If push-buttons are used, they shall switch all the luminaires on at the same time.</p> <p>Push-buttons shall be placed near the entrance door on each staircase and by each elevator door. They shall have a pilot light which is on when the switch is off.</p> <p>In dwelling houses, a push-button shall be mounted near the entrance door of each apartment controlling the staircase light.</p> <p>Time switches shall be able to repeat the full period in the last half period of the on-time. It must not be possible to switch off the light manually.</p> <p>In public access routes without daylight, the light shall be permanently switched on. If there is daylight in the entrance area, the light shall be switched on in the night.</p> <p>Entrance areas are the areas from outside to the public access route.</p> |
| DK | 718.559 (new) | <p>Special requirements for public escape routes</p> <p>Adjacent luminaires shall be mounted on different final circuits. A control device, if any, shall be mounted on its own final circuit.</p> <p>Wiring systems in escape routes shall:</p> <ul style="list-style-type: none"> – be placed outside arm's reach or be mechanically protected, and have a sheath which does not give increased life to fire. |