

<b>STN</b>	<b>Elektrické inštalácie nízkeho napätia. Časť 7-722: Požiadavky na osobitné inštalácie alebo priestory. Napájanie elektrických vozidiel.</b>	<b>STN 33 2000-7-722</b>  33 2000
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Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/16

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English Version

Low-voltage electrical installations -  
Part 7-722: Requirements for special installations or locations -  
Supplies for electric vehicles  
(IEC 60364-7-722:2015 , modified)

Installations électriques à basse tension - Partie 7-722:  
Exigences pour les installations et emplacements spéciaux -  
Alimentation des véhicules électriques  
(IEC 60364-7-722:2015 , modifiée)

Errichten von Niederspannungsanlagen - Teil 7-722:  
Anforderungen für Betriebsstätten, Räume und Anlagen  
besonderer Art - Stromversorgung von Elektrofahrzeugen  
(IEC 60364-7-722:2015 , modifiziert)

This Harmonization Document was approved by CENELEC on 2015-04-06. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document at national level.

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

This Harmonization Document exists in three official versions (English, French, German).

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

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## European foreword

The text of document 64/1986/FDIS, future edition 1 of IEC 60364-7-722 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 60364-7-722:2016.

A draft amendment, which covers common modifications to IEC 60364-7-722:2015 (64/1986/FDIS), 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 the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-08-26
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-02-26

This document supersedes HD 60364-7-722:2012.

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 document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association.

In this document, the common modifications to the International Standard are indicated by a vertical line in the left margin of the text.

Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 60364-7-722:2015 are prefixed "Z".

## Introduction

For the purpose of this part (HD 60364-7-722), the requirements of the general parts 1 to 6 of HD 60364 apply.

Parts 7XX of HD 60364 contain particular requirements for special installations or locations which are based on the requirements of the general parts of HD 60364 (Parts 1 to 6). Parts 7XX are considered in conjunction with the requirements of the general parts.

The particular requirements of this part of HD 60364 supplement, modify or replace certain of the requirements of the general parts of HD 60364 being valid at the time of publication of this part. The absence of reference to the exclusion of a part or a clause of a general part means that the corresponding clauses of the general part are applicable (undated reference).

Requirements of other 7XX parts being relevant for installations covered by this part also apply. This part may therefore also supplement, modify or replace certain of these requirements valid at the time of publication of this part.

The clause numbering of this part follows the pattern and corresponding references of HD 60364. The numbers following the particular number of this part are those of the corresponding parts, or clauses of the other parts of the HD 60364 series, valid at the time of publication of this part, as indicated in the normative references of this document (dated reference).

If requirements or explanations additional to those of the other parts of the HD 60364 series are needed, the numbering of such items appears as 722.101, 722.102, 722.103 etc.

**NOTE** In the case where new or amended general parts with modified numbering were published after this part was issued, the clause numbers referring to a general part in this part of HD 60364 may no longer align with the latest edition of the general part. Dated references should be observed.

## 722 Supplies for electric vehicles

### 722.1 Scope

The particular requirements of this part of HD 60364 apply to:

- circuits intended to supply energy to electric vehicles;
- circuits intended for feeding back electricity from electric vehicles into the supply network.

NOTE The requirements for feeding back electricity from electric vehicles into the supply network are under consideration.

Inductive charging is not covered.

### 722.2 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.

EN 60269 / HD 60269 / CLC/TR 60269 (series), *Low-voltage fuses* (IEC 60269 series)

EN 60309-1:1999, *Plugs, socket-outlets and couplers for industrial purposes – Part 1: General requirements* (IEC 60309-1:1999)

EN 60309-2, *Plugs, socket-outlets and couplers for industrial purposes – Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories* (IEC 60309-2)

HD 384 / HD 60364 (series), *Electrical installations of building / Low-voltage electrical installations* (IEC 60364 series)

EN 60898 (series), *Electrical accessories – Circuit breakers for overcurrent protection for household and similar installations* (IEC 60898 series)

EN 60947-2, *Low-voltage switchgear and controlgear – Part 2: Circuit-breakers* (IEC 60947-2)

EN 60947-6-2, *Low-voltage switchgear and controlgear – Part 6-2: Multiple function equipment – Control and protective switching devices (or equipment) (CPS)* (IEC 60947-6-2)

EN 61008-1, *Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) – Part 1: General rules* (IEC 61008-1)

EN 61009-1, *Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) – Part 1: General rules* (IEC 61009-1)

EN 61140:2002, *Protection against electric shock – Common aspects for installation and equipment* (IEC 61140:2001)

EN 61557-8, *Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 8: Insulation monitoring devices for IT systems* (IEC 61557-8)

EN 61557-9, *Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 9: Equipment for insulation fault location in IT systems* (IEC 61557-9)

EN 61558-2-4, *Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V – Part 2-4: Particular requirements and tests for isolating transformers and power supply units incorporating isolating transformers* (IEC 61558-2-4)

EN 61851 (series), *Electric vehicle conductive charging system* (IEC 61851 series)

EN 62196 (series), *Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles* (IEC 62196 series)

EN 62196-1, *Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 1: General requirements* (IEC 62196-1)

EN 62196-2, *Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 2: Dimensional compatibility and interchangeability requirements for a.c. pin and contact-tube accessories* (IEC 62196-2)

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

EN 62423, *Type F and type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses* (IEC 62423)

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**