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NÕUDED

Plugs, socket-outlets, vehicle connectors and vehicle
inlets - Conductive charging of electric vehicles - Part 3:
Dimensional compatibility and interchangeability
requirements for d.c. and a.c./d.c. pin and contact-tube
vehicle couplers

EVS

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 62196-3:2014 sisaldab Euroopa standardi EN 62196-3:2014 ingliskeelset teksti.	This Estonian standard EVS-EN 62196-3:2014 consists of the English text of the European standard EN 62196-3:2014.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 28.11.2014.	Date of Availability of the European standard is 28.11.2014.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS 29.120.30, 43.120

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English Version

**Plugs, socket-outlets, vehicle connectors and vehicle inlets -
Conductive charging of electric vehicles - Part 3: Dimensional
compatibility and interchangeability requirements for d.c. and
a.c./d.c. pin and contact-tube vehicle couplers
(IEC 62196-3:2014)**

Fiches, socles de prise de courant, prises mobiles de
véhicule et socles de connecteur de véhicule - Charge
conductive des véhicules électriques - Partie 3: Exigences
dimensionnelles de compatibilité et d'interchangeabilité
pour les connecteurs de véhicule à broches et alvéoles
pour courant continu et pour courants alternatif et continu
(CEI 62196-3:2014)

Stecker, Steckdosen und Fahrzeugsteckvorrichtungen -
Konduktives Laden von Elektrofahrzeugen - Teil 3:
Anforderungen an und Hauptmaße für Stifte und Buchsen
für die Austauschbarkeit von Fahrzeugsteckvorrichtungen
zum dedizierten Laden mit Gleichstrom und als kombinierte
Ausführung zum Laden mit Wechselstrom/Gleichstrom
(IEC 62196-3:2014)

This European Standard was approved by CENELEC on 2014-07-24. 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.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of document 23H/303/FDIS, future edition 1 of IEC 62196-3, prepared by IEC/SC 23H "Plugs, socket-outlets and couplers for industrial and similar applications, and for electric vehicles" of IEC/TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62196-3:2014.

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) 2015-05-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-07-24

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).

Endorsement notice

The text of the International Standard IEC 62196-3:2014 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 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 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Clause 2 of EN 62196-1:2014 applies, except as follows.

Additional normative reference:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62196-2	2011	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	EN 62196-2 +A11 +A12	2012 2013 2014

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CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references	6
3 Terms and definitions	7
4 General	7
5 Ratings.....	7
6 Connection between the power supply and the electric vehicle.....	7
7 Classification of accessories.....	9
8 Marking	10
9 Dimensions	10
10 Protection against electric shock	10
11 Size and colour of earthing conductors	10
12 Provision for earthing	10
13 Terminals	11
14 Interlocks.....	11
15 Resistance to aging of rubber and thermoplastic material	11
16 General construction	11
17 Construction of socket-outlets	11
18 Construction of plugs and vehicle connectors	12
19 Construction of vehicle inlets	12
20 Degrees of protection	12
21 Insulation resistance and dielectric strength	12
22 Breaking capacity	12
23 Normal operation	12
24 Temperature rise	12
25 Flexible cables and their connection	13
26 Mechanical strength	13
27 Screws, current-carrying parts and connections.....	14
28 Creepage distances, clearances and distances	14
29 Resistance to heat, to fire and to tracking.....	14
30 Corrosion and resistance to rusting	14
31 Conditional short-circuit current withstand test.....	14
32 Electromagnetic compatibility	14
33 Vehicle driveover	14
Bibliography.....	15
Table 301 – Compatibility of mating accessories at vehicle.....	9
Table 302 – Interface Overview	10

INTRODUCTION

Responding to global challenges of CO₂ reduction and energy security, the automobile industries have been accelerating the development and commercialization of electric vehicles and hybrid electric vehicles.

In addition to the prevailing hybrid electric vehicles, battery electric vehicles including plug-in hybrid electric vehicles are going to be mass-marketed.

To support the diffusion of such vehicles, this standard provides the standard interface configurations of vehicle couplers to be used in conductive charging of electric vehicles, taking the most frequent charging situations into consideration.

IEC 62196 is divided into several parts as follows:

- Part 1: General requirements, comprising clauses of a general character.
- Part 2: Dimensional compatibility and interchangeability requirements for a.c. pin and contact-tube accessories.
- Part 3: Dimensional compatibility and interchangeability requirements for d.c. and a.c./d.c. pin and contact-tube vehicle couplers.