SLOVENSKI STANDARD
SIST EN IEC 62196-3:2026

01-december-2026

Vtiči, vtičnice, konektorji in uvodnice na vozilih - Kabelsko napajanje električnih vozil - 3. del: Zahteve za dimenzijsko združljivost za spojke na vozilih s trni in cevastimi kontakti za enosmerni (DC) in izmenični/enosmerni (AC/DC) tok (IEC 62196-3:2026)

Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 3: Dimensional compatibility requirements for DC and AC/DC pin and contact-tube vehicle couplers (IEC 62196-3:2026)

Stecker, Steckdosen und Fahrzeugsteckvorrichtungen - Konduktives Laden von Elektrofahrzeugen - Teil 3: Maßliche Kompatibilitätsanforderungen an Fahrzeugsteckvorrichtungen mit Stiften und Buchsen für Gleichstrom und kombiniert für Gleich- und Wechselstrom (IEC 62196-3:2026)

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Ta slovenski standard je istoveten z: **EN IEC 62196-3:2026**

ICS:

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43.120	Električna cestna vozila	Electric road vehicles

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Fiches, socles de prise de courant, prises mobiles de véhicule et socles de connecteurs de véhicule - Charge conductive des véhicules électriques - Partie 3: Exigences dimensionnelles de compatibilité pour les prises de courant de véhicule à broches et alvéoles pour courant continu et pour courants alternatif et continu (IEC 62196-3:2026)

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European foreword

The text of document 23H/588/FDIS, future edition 3 of IEC 62196-3, prepared by 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 IEC 62196-3:2026.

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) 2027-07-31
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IEC 60216-1	NOTE	Approved as EN IEC 60216-1
IEC 61851 (series)	NOTE	Approved as EN IEC 61851 (series)
IEC 61851-1:2017	NOTE	Approved as EN IEC 61851-1:2019 (not modified)
IEC 61851-23	NOTE	Approved as EN 61851-23
IEC 61851-24	NOTE	Approved as EN IEC 61851-24
ISO 2768-1	NOTE	Approved as EN 22768-1

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

NOTE 1 Where 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.cencenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60364-5-54	2011	Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment - Earthing arrangements and protective conductors	HD 60364-5-54	2011
-	-		+ A11	2017
IEC 60811-501	-	Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds	EN 60811-501	-
IEC 61851-23	2023	Electric vehicle conductive charging system - Part 23: DC electric vehicle supply equipment	-	-
IEC 62196-1	2025	Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 1: General requirements	EN IEC 62196-1	2026
IEC 62196-2	2025	Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 2: Dimensional compatibility requirements for AC pin and contact-tube accessories	EN IEC 62196-2	2026
IEC 62893-4-1	-	Charging cables for electric vehicles of rated voltages up to and including 0,6/1 kV - Part 4-1: Cables for DC charging according to mode 4 of IEC 61851-1 - DC charging without use of a thermal management system	-	-
ISO 2719	-	Determination of flash point - Pensky-Martens closed cup method	EN ISO 2719	-
ISO 4521	-	Metallic and other inorganic coatings - Electrodeposited silver and silver alloy coatings for engineering purposes - Specification and test methods	EN ISO 4521	-

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ISO 5474-3	2024	Electrically propelled road vehicles - Functional and safety requirements for power transfer between vehicle and external electric circuit - Part 3: DC power transfer	-	-
ISO 25178-1	-	Geometrical product specifications (GPS) - Surface texture: Areal - Part 1: Indication of surface texture	EN ISO 25178-1	-
		Globally Harmonized System of Classification and Labelling of Chemicals (GHS), tenth edition, United Nations, 2023		
		OECD Guidelines for the Testing of Chemicals, Section 3, Test No. 301: Ready Biodegradability, 17 July 1992		

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Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 3: Dimensional compatibility requirements for DC and AC/DC pin and contact-tube vehicle couplers

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This third edition cancels and replaces the second edition published in 2022. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) The content of IEC TS 62196-3-1 has been integrated into this document as normative Annex AA.
b) increased ratings for all configurations;

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c) reference to new tests in IEC 62196-1:2025 (Clauses 34, 35, 36 and 37).

The text of this International Standard is based on the following documents:

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Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

This document is to be read in conjunction with IEC 62196-1:2025. The clauses of the particular requirements in this document supplement or modify the corresponding clauses in IEC 62196-1:2025. Where the text indicates an "addition" to or a "replacement" of the relevant requirement, test specification or explanation of IEC 62196-1:2025, these changes are made to the relevant text of IEC 62196-1:2025, which then becomes part of this document. Where no change is necessary, the words "IEC 62196-1:2025, Clause X, applies" are used. Additional annexes are numbered Annex AA, Annex BB, etc. Subclauses, figures, tables, or notes which are additional to those in IEC 62196-1:2025 are numbered starting from 301.

Sample Document

Annex AA follows the numbering of IEC 62196-1:2025 and of this document. Additional figures and tables to this document in Annex AA are numbered starting from AA.100.

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In this document, the following print types are used:

– requirements proper: in roman type;

– *test specifications: in italic type*;

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The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

– reconfirmed,

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The content of the corrigendum 1 (2026-08) has been included in this copy.

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