

English Version

**Electric vehicle wireless power transfer (WPT) systems - Part 3:  
Specific requirements for the magnetic field wireless power  
transfer systems  
(IEC/TS 61980-3:2019)**

Systèmes de transfert de puissance sans fil (WPT) pour  
véhicules électriques - Partie 3 : Exigences spécifiques  
relatives aux systèmes de transfert de puissance sans fil en  
présence de champs magnétiques  
(IEC/TS 61980-3:2019)

Kontaktlose Energieübertragungssysteme (WPT) für  
Elektrofahrzeuge - Teil 3: Spezifische Anforderungen für die  
kontaktlosen Energieübertragungssysteme mit Magnetfeld  
(IEC/TS 61980-3:2019)

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## European foreword

This document (CLC IEC/TS 61980-3:2020) consists of the text of IEC/TS 61980-3:2019 prepared by IEC/TC 69 "Electric road vehicles and electric industrial trucks".

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## Endorsement notice

The text of the International Technical Specification IEC/TS 61980-3:2019 was approved by CENELEC as a European Technical Specification without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

|           |      |                        |
|-----------|------|------------------------|
| IEC 60038 | NOTE | Harmonized as EN 60038 |
| CISPR 11  | NOTE | Harmonized as EN 55011 |

## 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 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](http://www.cenelec.eu).

| <u>Publication</u> | <u>Year</u> | <u>Title</u>                                                                                                                                                   | <u>EN/HD</u>       | <u>Year</u> |
|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|
| IEC 60529          | -           | Degrees of protection provided by enclosures (IP Code)                                                                                                         | EN 60529           | -           |
| IEC 60947-2        | -           | Low-voltage switchgear and controlgear - Part 2: Circuit-breakers                                                                                              | EN 60947-2         | -           |
| IEC 61008-1        | -           | Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 1: General rules              | EN 61008-1         | -           |
| IEC 61009-1        | -           | Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 1: General rules                 | EN 61009-1         | -           |
| IEC 62423          | -           | Type F and type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses                   | EN 62423           | -           |
| IEC/TS 61980-2     | 2019        | Electric vehicle wireless power transfer (WPT) systems - Part 2: Specific requirements for communication between electric road vehicle (EV) and infrastructure | CLC IEC/TS 61980-2 | 2020        |
| DIN 7405           | 1963        | Wire staple 24/6 for office-staplers                                                                                                                           |                    |             |
| -                  | -           | Cold rolled low carbon steel flat products for cold forming – Technical delivery conditions                                                                    | EN 10130           | -           |

| <u>Publication</u> | <u>Year</u> | <u>Title</u>                                                                                                                                                                        | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|
| ICNIRP Guidelines  | 1998        | ICNIRP guidelines for limiting exposure to time-varying electric, magnetic and electromagnetic fields (up to 300 GHz), International commission on nonionizing radiation protection |              |             |
| ICNIRP Guidelines  | 2010        | ICNIRP guidelines for limiting exposure to time-varying electric and magnetic fields (1 Hz – 100 kHz), International commission on non-ionizing radiation protection                |              |             |
| UL 2251            | -           | Standard for plugs, receptacles, and couplers for electric vehicles                                                                                                                 |              |             |

# TECHNICAL SPECIFICATION



## Electric vehicle wireless power transfer (WPT) systems – Part 3: Specific requirements for the magnetic field wireless power transfer systems

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