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**Electrically propelled road vehicles —  
Conductive power transfer — Safety  
requirements**

*Véhicules routiers à propulsion électrique — Transfert d'énergie  
conductive — Exigences de sécurité*

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# Contents

	Page
<b>Foreword</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>2</b>
<b>4 Environmental and operational conditions</b> .....	<b>10</b>
<b>5 Specific requirements for the vehicle inlet, plug, and cable</b> .....	<b>11</b>
5.1 Requirements for the plug and cable (case A).....	11
5.2 Requirements for the vehicle inlet.....	11
<b>6 Requirements for protection of persons against electric shock</b> .....	<b>11</b>
6.1 General.....	11
6.2 Basic protection when connected to an external electric circuit.....	11
6.3 Protective conductor.....	12
6.4 Isolation resistance.....	13
6.4.1 AC connection.....	13
6.4.2 DC connection.....	13
6.5 Requirements for unmated vehicle contacts.....	13
6.5.1 General.....	13
6.5.2 Normal operation.....	14
6.5.3 Operation under single fault conditions.....	14
6.6 Insulation coordination.....	15
6.6.1 AC connection.....	15
6.6.2 DC connection.....	15
6.7 Touch current.....	16
6.8 Compatibility with residual current devices (RCD).....	16
<b>7 Protection against thermal incident</b> .....	<b>16</b>
7.1 Requirements for normal operation.....	16
7.2 Overcurrent protection.....	16
7.2.1 General.....	16
7.2.2 Overload protection.....	17
7.2.3 Short-circuit protection for AC connection.....	17
7.2.4 Short-circuit protection for DC connection.....	17
7.3 Arc protection for DC connections.....	18
7.4 Residual energy after disconnection.....	19
7.5 Transient overvoltage.....	19
<b>8 Additional requirements for AC power transfer</b> .....	<b>19</b>
8.1 Voltage and frequency ranges for normal operation.....	19
8.2 Current characteristics.....	19
8.2.1 Load current.....	19
8.2.2 Inrush current.....	20
8.3 Active factor.....	20
8.4 Interlock function for the vehicle coupler.....	21
8.5 Phase order in three-phase operation.....	21
<b>9 Additional requirements for DC power transfer</b> .....	<b>21</b>
9.1 General.....	21
9.2 Disconnection device.....	21
9.3 Control pilot functions.....	22
9.4 Vehicle isolation resistance monitoring system.....	22
9.5 Locking of the vehicle connector.....	22
9.6 AC or DC electric power at the same contacts.....	22
9.7 Contact temperature.....	23
9.8 Overvoltage in case of a load dump.....	24

9.9	Compatibility with insulation monitoring .....	24
<b>10</b>	<b>Reverse power transfer .....</b>	<b>24</b>
10.1	General.....	24
10.2	AC reverse power transfer .....	25
10.2.1	General.....	25
10.2.2	Output power quality.....	25
10.2.3	Prevention of disconnection of vehicle coupler under load.....	26
10.2.4	Protection against electrical shock.....	26
10.2.5	Protection against thermal incident.....	26
10.3	DC reverse power transfer.....	26
10.3.1	General.....	26
10.3.2	Connection to the external electric circuit.....	27
10.3.3	Protection against overdischarge of the RESS.....	27
10.3.4	Auxiliary power supply from EV (optional).....	27
10.3.5	Protection against thermal incident.....	27
<b>11</b>	<b>Operational requirements .....</b>	<b>27</b>
<b>12</b>	<b>Owner's manual and marking .....</b>	<b>27</b>
12.1	Owner's manual.....	27
12.2	Marking.....	27
<b>13</b>	<b>Test procedure .....</b>	<b>27</b>
13.1	General.....	27
13.2	Resistance of protective conductor.....	28
13.3	Isolation resistance test.....	28
13.4	Withstand voltage test.....	28
13.4.1	General.....	28
13.4.2	Test voltage.....	29
13.5	Inrush current tests.....	29
13.5.1	General.....	29
13.5.2	Measurement.....	30
13.6	Touch current.....	30
13.6.1	General.....	30
13.6.2	AC Charging.....	31
13.6.3	DC charging.....	33
13.7	DC power transfer with maximum current.....	34
13.8	DC power contact over temperature.....	34
<b>Annex A (informative) Y capacitance measurement.....</b>		<b>37</b>
<b>Bibliography.....</b>		<b>40</b>

## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared jointly by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 37, *Electrically propelled road vehicles*, and Technical Committee IEC/TC 69, *Electric road vehicles and electric industrial trucks*.

This second edition replaces the first edition (ISO 17409:2015), which has been technically revised. The main changes compared to the previous edition are as follows:

- terms and definitions have been updated,
- requirements for mode 1 have been removed because it is no longer relevant for new designs,
- requirements for reverse power transfer have been added,
- requirements for a DC connection with a thermal management system have been added,
- short circuit during DC charging has been reworked, and
- requirements for charging with pantograph have been added.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

