
Železniške naprave - Sistemi za odjem toka - Odjemniki toka, preskusne metode za kontaktne drsnike

Railway applications - Current collection systems - Pantographs, testing methods for contact strips

Bahnanwendungen - Stromabnahmesysteme - Stromabnehmer für Oberleitungsfahrzeuge, Prüfverfahren für Schleifstücke

Applications ferroviaires - Systèmes de captage de courant - Méthodes d'essais des bandes de frottement des pantographes

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Ta slovenski standard je istoveten z: EN 50405:2015/A1:2016

ICS:

29.280	Električna vlečna oprema	Electric traction equipment
45.020	Železniška tehnika na splošno	Railway engineering in general

SIST EN 50405:2016/A1:2017**en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50405:2015/A1

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ICS 29.280

English Version

**Railway applications - Current collection systems - Pantographs,
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Applications ferroviaires - Systèmes de captage de courant
- Méthodes d'essais des bandes de frottement des
pantographes

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Stromabnehmer für Oberleitungsfahrzeuge, Prüfverfahren
für Schleifstücke

This amendment A1 modifies the European Standard EN 50405:2015; it was approved by CENELEC on 2016-11-03. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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

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EN 50405:2015/A1:2016 (E)

European foreword

This document (EN 50405:2015/A1:2016) has been prepared by CLC/SC 9XB "Electrical, electronic and electromechanical material on board rolling stock, including associated software".

The following dates are fixed:

- latest date by which this document has (dop) 2016-12-03
to be implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2016-12-03
standards conflicting with this
document have to be withdrawn

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, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

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Replace the Annex ZZ in EN 50405:2015 by the following new annex:

Annex ZZ
(informative)

**Relationship between this European Standard and the Essential
Requirements of EU Directive 2008/57/EC**

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and within its scope the standard covers all relevant essential requirements as given in Annex III of the EC Directive 2008/57/EC (also named as New Approach Directive 2008/57/EC Rail Systems: Interoperability).

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the clauses of this standard given in Table ZZ.1 for “rolling stock — locomotives and passenger rolling stock’ subsystem of the rail system in the European Union” confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

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Table ZZ.1 - Correspondence between this European Standard, the RST LOC&PAS TSI (COMMISSION REGULATION (EU) No 1302/2014 of 18 November 2014 published in the Official Journal L 356 on 12 December 2014, p. 228) and Directive 2008/57/EC

Clauses of this European Standard	Chapter / § / points / of RST LOC & PAS TSI	Essential Requirements (ER) of Directive 2008/57/EC	Comments
Clauses 5 and 6		1. General Requirements 1.5 Technical compatibility	Revised TSI replacing the CR LOC&PAS TSI and the HS RST TSI.
All of clause 7 – Test Procedures, except 7.5	4.2.8.2.9.4. CONTACT STRIP 4.2.8.2.9.4.2 Contact strip material 5.3.11. Contact strips 6.1.3.8. Contact strips Appendix J-1, index 82. Contact strips – verification method	2. Requirements specific to each sub-subsystem 2.4. Rolling Stock 2.4.3. Technical compatibility	Open point of CR LOC&PAS TSI related to 'Pantograph — Contact strip material' is closed Reference to EN 50405 to be updated in the RST LOC&PAS TSI (currently 50405:2006)
7.5 Test of auto-drop detection sensor integral with contact strips	4.2.8.2.9.10 Pantograph lowering (RST level)		Reference to EN 50405 to be added in the RST LOC&PAS TSI – Appendix J-1

WARNING: Other requirements and other EU Directives may be applicable to the products falling within the scope of this standard.