



SLOVENSKI STANDARD
SIST EN 50367:2012/oprA1:2015
01-april-2015

Železniške naprave - Sistemi za odjem toka - Tehnični kriteriji za interaktivnost med odjemnikom toka in kontaktnim vodnikom (za doseganje prostega dostopa)

Railway applications - Current collection systems - Technical criteria for the interaction between pantograph and overhead line (to achieve free access)

Bahnanwendungen - Zusammenwirken der Systeme - Technische Kriterien für das Zusammenwirken zwischen Stromabnehmer und Oberleitung für einen freien Zugang

Applications ferroviaires - Systèmes de captage de courant - Critères techniques d'interaction entre le pantographe et la ligne aérienne de contact (réalisation du libre accès)

Ta slovenski standard je istoveten z: EN 50367:2012/prA1:2015

ICS:

29.280 Električna vlečna oprema Electric traction equipment

SIST EN 50367:2012/oprA1:2015 en,fr,de

EUROPEAN STANDARD
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English Version

**Railway applications - Current collection systems - Technical
criteria for the interaction between pantograph and overhead line
(to achieve free access)**

Applications ferroviaires - Systèmes de captage de courant
- Critères techniques d'interaction entre le pantographe et la
ligne aérienne de contact (réalisation du libre accès)

Bahnanwendungen - Zusammenwirken der Systeme -
Technische Kriterien für das Zusammenwirken zwischen
Stromabnehmer und Oberleitung für einen freien Zugang

This draft amendment prA1, if approved, will modify the European Standard EN 50367:2012; it is submitted to CENELEC members for enquiry.

Deadline for CENELEC: 2015-07-10.

It has been drawn up by CLC/SC 9XC.

If this draft becomes an amendment, 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.

This draft amendment was established by CENELEC 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

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7 Foreword

8 This document [EN 50367:2012/prA1:2015] has been prepared by CLC/TC 9XC "Electric supply and earthing
9 systems for public transport equipment and ancillary apparatus (Fixed installations)".

10 This document is currently submitted to the Enquiry.

11 This document has been prepared under a mandate given to CENELEC by the European Commission and the
12 European Free Trade Association, and supports essential requirements of EU Directive(s).

13 For the relationship with EU Directive(s) see informative Annex ZZ in EN 50367:2012.

14 5.2.2 Gauges

15 *Add the following text at the end of the sub-clause:*

16 Note: The values are calculated taking into account the pantograph movement, pantograph encroachment track gauge and track tolerances.

17 For calculation of infrastructure heights according to EN 15273-1:2009 chapter 8.1.2 the maximum encroachment
18 can be reduced for the actual conditions. The effective encroachment shall be calculated based on the maximum
19 encroachment according 5.3 taking into consideration the worst lateral deviation of the contact wire at this
20 location.

21

22 6.3 Contact strips

23 *After the last bullet of the first paragraph, replace text:*

24 For AC lines plain carbon shall be permitted.

25 For DC lines plain carbon and impregnated carbon shall be permitted.

26 For common operation on AC and DC lines plain carbon shall be permitted.

27 NOTE 1 Plain carbon collector strips consist of a mixture of amorphous and graphite carbon elements. Impregnated carbon collector strips
28 are plain carbon strips where the cavities are filled with metal. The degree of impregnation is defined by percentage of weight.

29 Contact strips made from other materials shall be subject to agreement between the Infrastructure Manager and
30 Railway Undertaking.

31 Operation with different contact strip materials on the same infrastructure network (see Table C.1) shall be based
32 on an agreement between Infrastructure Manager and Railway Undertaking.

33 NOTE 2 If contact strips of mixed materials are used in the networks, the wear of contact strips and/or contact wire could increase.
34 Recommendations based on ongoing investigations will be included in next revision of this standard.

35 *by the following:*

36 Plain carbon or impregnated carbon with additive material shall be permitted.

37 Where a metallic additive material is used, the metallic content of the carbon contact strips shall be copper or
38 copper alloy and shall not exceed a content of 35 % by weight where used on AC lines and of 40% where used on
39 DC lines.

40 Operation with contact strips made from other materials shall be subject to agreement between the Infrastructure
41 Manager and Railway Undertaking. Use of these materials shall not lead to increased wear on contact strips
42 made of the permitted materials defined above.

43 NOTE 1 If contact strips of mixed materials are used in the networks, the wear of contact strips and/or contact wire could increase. (see
44 Table C.1)

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