SVENSK STANDARD SS-EN 50119

Fastställd	Utgåva	Sida	Ingår i
2001-12-19	1	1 (1+47)	SEK Område 9

Svenska Elektriska Kommissionen, SEK

Järnvägsanläggningar – Fasta installationer – Kontaktledningar

Railway applications –
Fixed installations –
Electric traction overhead contact lines

Som svensk standard gäller europastandarden EN 50119:2001. Den svenska standarden innehåller den officiella engelska språkversionen av EN 50119:2001.

Tidigare utgiven svensk standard SEN 21, utgåva 1, 1936, gäller ej fr o m 2003-11-01.

ICS 29.280

Denna standard är fastställd av Svenska Elektriska Kommissionen, SEK,
som också kan lämna upplysningar om **sakinnehållet** i standarden.
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EUROPEAN STANDARD **EN 50119**

NORME EUROPÉENNE

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English version

Railway applications - Fixed installations - Electric traction overhead contact lines

Applications ferroviaires - Installations fixes - Lignes aériennes de contact pour la traction électrique

Bahnanwendungen - Ortsfeste Anlagen - Oberleitungen für den elektrischen Zugbetrieb

This European Standard was approved by CENELEC on 2000-11-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard 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 Central Secretariat or to any CENELEC member.

This European Standard 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Ref. No. EN 50119:2001 E

Foreword

This European Standard was prepared by SC 9XC, Electric supply and earthing systems for public transport equipment and ancillary apparatus (fixed installations), of the Technical Committee CENELEC TC 9X, Electrical and electronic applications for railways.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50119 on 2000-11-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2002-01-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2003-11-01

Annexes designated “normative” are part of the body of the standard. Annexes designated “informative” are given for information only. In this standard, annexes A and B are normative.

This European Standard has been prepared under a mandate (M024) given to CENELEC by the European Commission and supports the Public Procurement Directive, 93/38/EEC.

References to definitions in IEC 60050-811 in clause 3 are included for user reference and in some cases may update or modify the current definition.

Contents

1 Scope

This European Standard applies for the design and construction of electric traction overhead contact lines in railway and tramway applications (see clause 4).

The standard is intended to be used by the system designer for the new construction of electric traction overhead contact lines or for the complete transformation of existing lines according to the client performance objectives. This document does not deal in detail with railway traction electrical supply systems or EMC requirements and is not applicable to feeders which are remote from the track.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated within it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 50121-5		Railway applications - Electromagnetic compatibility Part 5: Emission and immunity of fixed power supply installations and apparatus
EN 50122	series	Railway applications – Fixed installations
EN 50122-1		Railway applications - Fixed installations Part 1: Protective provisions relating to electrical safety and earthing
EN 50123	series	Railway applications - Fixed installations - DC switchgear
EN 50124	series	Railway applications - Insulation coordination
EN 50124-1		Railway applications - Insulation coordination Part 1: Basic requirements - Clearances and creepage distances for all electrical and electronic equipment
EN 50125-1		Railway applications - Environmental conditions for fixed installations Part 1: Equipment on board rolling stock
EN 50149		Railway applications - Fixed installations - Electric traction - Copper and copper alloy grooved contact wires
EN 50152	series	Railway applications - Fixed installations - Particular requirements for a.c. switchgear
EN 50163		Railway applications - Supply voltages of traction systems
EN 60099	series	Surge arresters
EN 60168	1994	Tests on indoor and outdoor post insulators of ceramic material or glass for systems with a nominal voltage greater than 1 000 V (IEC 60168:1994)