ICS 29.160 SLOVENSKÁ TECHNICKÁ NORMA Máj 2015

STN	**Točivé elektrické stroje. Časť 19: Špecifické skúšobné metódy jednosmerných strojov napájaných konvenčne alebo z usmerňovača.**	**STN EN 60034-19** 35 0000

Rotating electrical machines - Part 19: Specific test methods for d.c. machines on conventional and rectifier-fed supplies

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/15

Obsahuje: EN 60034-19:2014, IEC 60034-19:2014

120630

Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, odbor SÚTN, 2015
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60034-19

November 2014

ICS 29.160

English Version

Rotating electrical machines - Part 19: Specific test methods for d.c. machines on conventional and rectifier-fed supplies (IEC 60034-19:2014)

Machines électriques tournantes - Partie 19: Méthodes spécifiques d'essai pour machines à courant continu à alimentation conventionnelle ou redressée (CEI 60034-19:2014)

Drehende elektrische Maschinen - Teil 19: Besondere Prüfverfahren für Gleichstrommaschinen, betrieben an gleichrichtergespeisten Leistungsversorgungen oder anderen Gleichstromquellen (IEC 60034-19:2014)

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Comité Européen de Normalisation Electrotechnique
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Ref. No. EN 60034-19:2014 E

Foreword

The text of document 2/1756/FDIS, future edition 2 of IEC 60034-19, prepared by IEC/TC 2 "Rotating machinery" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60034-19:2014.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-07-30
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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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.

Publication	Year	Title	EN/HD	Year
IEC 60034-1	-	Rotating electrical machines - Part 1: Rating and performance	EN 60034-1	-
IEC 60034-2-1	-	Rotating electrical machines - Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles)	EN 60034-2-1	-

IEC 60034-19

Edition 2.0 2014-09

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Rotating electrical machines – Part 19: Specific test methods for d.c. machines on conventional and rectifier-fed supplies

Machines électriques tournantes – Partie 19: Méthodes spécifiques d'essai pour machines à courant continu à alimentation conventionnelle ou redressée

IEC 60034-19:2014-09(en-fr)

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IEC 60034-19

Edition 2.0 2014-09

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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ROTATING ELECTRICAL MACHINES –

Part 19: Specific test methods for d.c. machines on conventional and rectifier-fed supplies

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60034-19 has been prepared by IEC technical committee 2: Rotating machinery.

This second edition cancels and replaces the first edition published in 1995. It constitutes a technical revision. The main technical changes with regard to the previous edition are as follows:

a) The description of the procedure for black band testing has been detailed and clarified.
b) Procedures for measurement of the magnetization curves under no-load and load conditions have been added.

The text of this standard is based on the following documents:

FDIS	Report on voting
2/1756/FDIS	2/1764/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

NOTE A table of cross-references of all IEC TC 2 publications can be found on the IEC TC 2 dashboard on the IEC website.

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- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

ROTATING ELECTRICAL MACHINES –

Part 19: Specific test methods for d.c. machines on conventional and rectifier-fed supplies

1 Scope

This part of IEC 60034 applies to d.c. machines rated 1 kW and above operating on rectifier-fed power supplies, d.c. buses or other d.c. sources.

Standardized methods are provided for determining characteristic quantities for conventional and rectifier-fed d.c. machines.

Excluded are d.c machines for specific applications.

These methods supplement the requirements in IEC 60034-1 and IEC 60034-2-1.

NOTE It is not intended that this standard should be interpreted as requiring the carrying out of any or all of the tests described therein on any given machine.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60034-1, *Rotating electrical machines – Part 1: Rating and performance*

IEC 60034-2-1, *Rotating electrical machines – Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN