SLOVENSKI STANDARD
SIST EN 60404-11:2013

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Magnetni materiali - 11. del: Preskuševalna metoda za ugotavljanje površinske izolacijske upornosti magnetne pločevine in trakov

Magnetic materials - Part 11: Method of test for the determination of surface insulation resistance of magnetic sheet and strip

Magnetische Werkstoffe - Teil 11: Meßverfahren zur Bestimmung des Oberflächenisolationswiderstandes von Elektroblech und -band

Matériaux magnétiques - Partie 11: Méthode d'essai pour la détermination de la résistance d'isolement superficiel des tôles et feuillards magnétiques

Ta slovenski standard je istoveten z: **EN 60404-11:2013**

ICS:

17.220.20	Merjenje električnih in magnetnih veličin	Measurement of electrical and magnetic quantities
29.030	Magnetni materiali	Magnetic materials

SIST EN 60404-11:2013 **en**

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EUROPÄISCHE NORM

EN 60404-11

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English version

Magnetic materials - Part 11: Method of test for the determination of surface insulation resistance of magnetic sheet and strip

(IEC 60404-11:1991 + A1:1998 + A2:2012)

Matériaux magnétiques - Partie 11: Méthode d'essai pour la détermination de la résistance d'isolement superficiel des tôles et feuillards magnétiques

(CEI 60404-11:1991 + A1:1998 + A2:2012)

Magnetische Werkstoffe - Teil 11: Messverfahren für die Bestimmung des Oberflächenisolationswiderstandes von Elektroblech und –band

(IEC 60404-11:1991 + A1:1998 + A2:2012)

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

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Foreword

This document (EN 60404-11:2013) consists of the text of IEC 60404-11:1991 + A1:1998 + A2:2012 prepared by IEC TC 68 "Magnetic alloys and steels".

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)	2013-12-31
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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Magnetic materials –
Part 11: Method of test for the determination of surface insulation resistance of magnetic sheet and strip

Matériaux magnétiques –
Partie 11: Méthode d'essai pour la détermination de la résistance d'isolement superficiel des tôles et feuillards magnétiques

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MAGNETIC MATERIALS –

Part 11: Method of test for the determination of surface insulation resistance of magnetic sheet and strip

FOREWORD

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This International Standard has been prepared by IEC technical committee 68: Magnetic alloys and steels.

This consolidated version of IEC 60404-11 consists of the first edition (1991) [documents 68(CO)69 and 68(CO)76], its amendment 1 (1998) [documents 68/181/FDIS and 68/186/RVD] and its amendment 2 (2012) [documents 68/434/FDIS and 68/435/RVD].

The technical content is therefore identical to the base edition and its amendments and has been prepared for user convenience.

It bears the edition number 1.2.

A vertical line in the margin shows where the base publication has been modified by amendments 1 and 2.

MAGNETIC MATERIALS –

Part 11: Method of test for the determination of surface insulation resistance of magnetic sheet and strip

1 Scope and field of application

This International Standard is intended to define a measurement method for the determination of the characteristics of surface insulation resistance of magnetic sheet and strip.

This method is applicable to magnetic sheet and strip insulated on one or both surfaces and is suitable for manufacturing control in the application of insulation coatings.

2 Principle of measurement

The principle of the measurement is based on, and includes, the method originally described by Franklin* which characterizes only one coated surface at a time.

The arrangement of the apparatus is shown in figure 1. Ten metallic contacts of fixed area are applied to one coated surface of the sheet, under specified conditions of voltage and pressure.

The effectiveness of the surface insulation is assessed by the measurement of the currents through the 10 contacts.

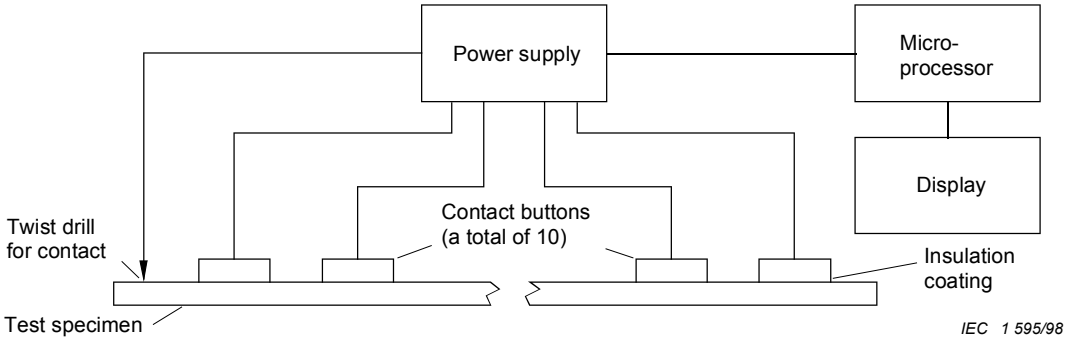

Figure 1 – Arrangement of apparatus for the measurement of surface insulation resistance

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* Franklin, R.F., "Measurement and control of interlaminar resistance of laminated magnetic cores", *ASTM Bulletin,* no. 144, January 1947, p. 57.