

Electrical insulation systems — Thermal evaluation of modifications to an established wire-wound EIS

The European Standard EN 61858:2005 has the status of a British Standard

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National foreword

This British Standard is the official English language version of EN 61858:2005. It is identical with IEC 61858 Ed.2:2004. It supersedes BS EN 61858:2000 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee GEL/98, Electrical insulation systems, which has the responsibility to:

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- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
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**Electrical insulation systems –
Thermal evaluation of modifications to an established wire-wound EIS
(IEC 61858:2004)**

Systèmes d'isolation électrique -
Evaluation thermique des modifications
apportées à un système d'isolation
électrique éprouvé à enroulements à fil
(CEI 61858:2004)

Elektrische Isoliersysteme –
Thermische Bewertung von
Veränderungen an einem erprobten,
drahtgewickelten EIS
(IEC 61858:2004)

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CENELEC

European Committee for Electrotechnical Standardization
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Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of document 98/221/FDIS, future edition 2 of IEC 61858, prepared by IEC TC 98, Electrical insulation systems (EIS), was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61858 on 2005-02-01.

This European Standard supersedes EN 61858:2000.

It constitutes a technical revision that incorporates test procedures referenced in EN 60034-18-22.

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) 2005-11-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2008-02-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61858:2004 was approved by CENELEC as a European Standard without any modification.

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INTRODUCTION

This International Standard describes procedures for the evaluation of changes to an established electrical insulation system (EIS) for wire-wound electrotechnical devices and the effect of these changes on the thermal classification of the established EIS.

General principles for evaluation and qualification of EIS can be found in IEC 60505. Unless the procedures of this standard indicate otherwise, the principles of IEC 60505 should be followed.

The thermal classification of an EIS is established either by known service life, in accordance with IEC 60791, or evaluated in accordance with IEC 61857 (all parts).