

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Resistance welding equipment –
Part 2: Electromagnetic compatibility (EMC) requirements**

**Matériels de soudage par résistance –
Partie 2: Exigences de compatibilité électromagnétique (CEM)**



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RESISTANCE WELDING EQUIPMENT –**Part 2: Electromagnetic compatibility (EMC) requirements**

FOREWORD

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International Standard IEC 62135-2 has been prepared by IEC technical committee 26: Electric welding.

This second edition cancels and replaces the first edition published in 2007 and constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- update of the applicable limits related to the updated reference to CISPR 11;
- exclusion of the use of narrow band relaxations for RF emission limits;
- update of the applicable limits for harmonics and flicker related to the updated reference to IEC 61000-3-11 and IEC 61000-3-12;
- update of the requirements for voltage dips related to the updated reference to IEC 61000-4-11 and IEC 61000-4-34;

- inclusion of symbols to indicate the RF equipment class and restrictions for use;
- inclusion of EM field immunity test for frequency from 1,4 GHz to 2,7 GHz;
- inclusion of emission limits for class B resistance welding equipment magnetic fields between 150 kHz and 30 MHz.

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

FDIS	Report on voting
26/555FDIS	26/557/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.

The list of all the parts of the IEC 62135 series, under the general title *Resistance welding equipment*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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