

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Electromechanical contactors for household and similar purposes

Contacteurs électromécaniques pour usages domestiques et analogues

Withhold@M



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Contacteurs électromécaniques pour usages domestiques et analogues

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTROMECHANICAL CONTACTORS FOR HOUSEHOLD AND SIMILAR PURPOSES

FOREWORD

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International Standard IEC 61095 has been prepared by subcommittee 17B: Low-voltage switchgear and controlgear, of IEC technical committee 17: Switchgear and controlgear in conjunction with subcommittee 23E: Circuit-breakers and similar equipment for household use, of IEC technical committee 23: Electrical accessories.

This second edition cancels and replaces the first edition published in 1992 and its Amendment 1 (2000), and constitutes a technical revision.

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

- deletion of switching overvoltages requirements,
- addition of a new utilization category AC-7c: switching of compensated electric discharge lamp control,
- measuring of U_{imp} required, but the marking is not required if U_{imp} equal to 4 kV,
- improvement regarding marking concerning direction of movement,
- improvement of dielectric properties,
- test of resistance to humidity referred to IEC 60068-2-78 instead of IEC 60068-2-3,

- amendment to Table B.1 regarding test sequences,
- deletion of Table F.2 regarding the correspondence between the nominal voltage of the supply system and the contactor rated impulse withstand voltage,
- addition of a new Annex H (normative): degrees of protection of enclosed contactor,
- addition of a new Annex I (normative): requirements and tests for equipment with protective separation.

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

FDIS	Report on voting
17B/1640/FDIS	17B/1652/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 committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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- withdrawn;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

Withdrawn

INTRODUCTION

This International Standard gives requirements for contactors household and similar purposes, including contactors for distribution control in buildings.

Contactors for such purposes have particular requirements which include test sequences and sampling plans to facilitate testing.

Contactors according to this standard are limited in the range of operational currents and operational voltages to values appropriate to the applications. Such contactors are for use in circuits of limited prospective short-circuit fault current for which they need to be co-ordinated with an appropriate short-circuit protective device to provide suitable co-ordination.

This standard defines in a single document the specific utilization category for a described application and states the relevant requirements. As far as possible, it is in line with the requirements contained in IEC 60947-4-1 "Electromechanical contactors and motor-starters".

This standard also applies to contactors which are components of an appliance, unless otherwise stated in the standard covering the relevant appliance.

Withdrawn