

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Automatic electrical controls –  
Part 2-8: Particular requirements for electrically operated water valves,  
including mechanical requirements**

**Dispositifs de commande électrique automatiques –  
Partie 2-8: Exigences particulières pour les électrovannes hydrauliques,  
y compris les exigences mécaniques**



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**Automatic electrical controls –  
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### AUTOMATIC ELECTRICAL CONTROLS –

#### Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements

#### FOREWORD

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**This consolidated version of the official IEC Standard and its amendment has been prepared for user convenience.**

**IEC 60730-2-8 edition 3.1 contains the third edition (2018-08) [documents 72/1077/CDV and 72/1120/RVC] and its amendment 1 (2021-10) [documents 72/1257/CDV and 72/1280/RVC].**

**In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.**

International Standard IEC 60730-2-8 has been prepared by IEC technical committee 72: Automatic electrical controls.

This third edition constitutes a technical revision.

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

- alignment of the text with IEC 60730-1 fifth edition (2013) including Amendment 1:2015;
- introduction of specific requirements for thermoplastic bodied valves for the control of water for tap and shower outlets (18.101.4.3 and Annex CC);
- removal of Subclause 18.102 Wetted material specifications.

Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated at the time of the next edition.

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

This Part 2-8 is intended to be used in conjunction with IEC 60730-1. It was established on the basis of the fifth edition of that standard (2013) including its Amendment 1 (2015) ~~of that publication~~ and Amendment 2 (2020). Consideration may be given to future editions of, or amendments to, IEC 60730-1.

This Part 2-8 supplements or modifies the corresponding clauses in IEC 60730-1 so as to convert that publication into the IEC standard: *Safety requirements for electrically operated water valves, including mechanical requirements*.

Where this part 2-8 states "addition", "modification" or "replacement", the relevant requirement, test specification or explanatory matter in part 1 should be adapted accordingly.

Where no change is necessary, part 2-8 indicates that the relevant clause or subclause applies.

In the development of a fully international standard, it has been necessary to take into consideration the differing requirements resulting from practical experience in various parts of the world and to recognize the variation in national electrical systems and wiring rules.

The "in some countries" notes regarding differing national practices are contained in the following elements:

- Table 1, footnotes ab and ac
- Table 13, footnote aa
- 1.1.4
- 16.2.1
- 18.101.3
- 27.2.3.1
- 27.101
- Table DD. 1, footnote a
- Table DD.2, footnote a

In this publication:

- 1) The following print types are used:
  - Requirements proper: in roman type.
  - *Test specifications: in italic type.*
  - Notes: in smaller roman type.
  - Defined terms: in **bold type**

- 2) Subclauses, notes, tables or figures which are additional to those in part 1 are numbered starting from 101, additional annexes are lettered AA, BB, etc.

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