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| <b>STN</b> | <b>Primárne batérie. Časť 3: Batérie do hodínok.</b> | <b>STN<br/>EN 60086-3</b><br><br>36 4110 |
|------------|--|--|

Primary batteries - Part 3: Watch batteries

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/17

Obsahuje: EN 60086-3:2016, IEC 60086-3:2016

Oznámením tejto normy sa od 29.06.2019 ruší  
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Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2017  
Podľa zákona č. 264/1999 Z. z. o technických požiadavkách na výrobky a o posudzovaní zhody a o zmene a doplnení niektorých zákonov v znení neskorších predpisov sa slovenská technická norma a časti slovenskej technickej normy môžu rozmnožovať alebo rozširovať len so súhlasom slovenského národného normalizačného orgánu.

EUROPEAN STANDARD

**EN 60086-3**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2016

ICS 29.220.10; 39.040.10

Supersedes EN 60086-3:2011

English Version

**Primary batteries - Part 3: Watch batteries  
(IEC 60086-3:2016)**Piles électriques - Partie 3 : Piles pour montres  
(IEC 60086-3:2016)Primärbatterien - Teil 3: Uhrenbatterien  
(IEC 60086-3:2016)

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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## European foreword

The text of document 35/1359/FDIS, future edition 4 of IEC 60086-3, prepared by IEC/TC 35 "Primary cells and batteries" and by ISO/TC 114 "Horology" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60086-3:2016.

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) 2017-03-29
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-06-29

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In the official version, for Bibliography, the following note has to be added for the standard indicated :

IEC 60068-2-78:2001      NOTE      Harmonized as EN 60068-2-78:2001 (not modified).

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

| <u>Publication</u> | <u>Year</u> | <u>Title</u>   | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|--|--------------|-------------|
| IEC 60086-1        | 2015        | Primary batteries -<br>Part 1: General   | EN 60086-1   | 2015        |
| IEC 60086-2        | 2015        | Primary batteries -<br>Part 2: Physical and electrical<br>specifications       | EN 60086-2   | 2016        |
| IEC 60086-4        | 2014        | Primary batteries -<br>Part 4: Safety of lithium batteries                     | EN 60086-4   | 2015        |
| IEC 60086-5        | 2016        | Primary batteries -<br>Part 5: Safety of batteries with aqueous<br>electrolyte | EN 60086-5   | 1)          |

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1) To be published.



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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Primary batteries –  
Part 3: Watch batteries**

**Piles électriques –  
Partie 3: Piles pour montres**



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IEC 60086-3

Edition 4.0 2016-05

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Primary batteries –  
Part 3: Watch batteries**

**Piles électriques –  
Partie 3: Piles pour montres**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
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**PRIMARY BATTERIES –****Part 3: Watch batteries****FOREWORD**

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International Standard IEC 60086-3 has been prepared by IEC technical committee 35: Primary cells and batteries, and ISO technical committee 114: Horology.

This fourth edition cancels and replaces the third edition published in 2011. This edition constitutes a technical revision.

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

- a) A harmonization of the cell sizes and service output tests with IEC 60086-2;
- b) Clarifications of Clauses 6: Sampling and Quality Assurance, 7: Test methods, and 8: Visual examination and acceptance condition;
- c) Harmonization of temperature and humidity conditions with IEC 60086-1.

This publication is published as a double logo standard.

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

| FDIS         | Report on voting |
|--------------|------------------|
| 35/1359/FDIS | 35/1362/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.

A list of all parts in the IEC 60086 series, published under the general title *Primary batteries*, 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

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

## INTRODUCTION

This part of IEC 60086 provides specific requirements and information for primary watch batteries. This part of IEC 60086 was prepared through joint work between the IEC and ISO to benefit primary battery users, watch designers and battery manufacturers by ensuring the best compatibility between batteries and watches.

This part of IEC 60086 will remain under continual scrutiny to ensure that the publication is kept up to date with the advances in both battery and watch technologies.

NOTE Safety information is available in IEC 60086-4 and IEC 60086-5.

## **PRIMARY BATTERIES –**

### **Part 3: Watch batteries**

#### **1 Scope**

This part of IEC 60086 specifies dimensions, designation, methods of tests and requirements for primary batteries for watches. In several cases, a menu of test methods is given. When presenting battery electrical characteristics and/or performance data, the manufacturer specifies which test method was used.

#### **2 Normative references**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60086-1:2015, *Primary batteries – Part 1: General*

IEC 60086-2:2015, *Primary batteries – Part 2: Physical and electrical specifications*

IEC 60086-4:2014, *Primary batteries – Part 4: Safety of lithium batteries*

IEC 60086-5:-1, *Primary batteries – Part 5: Safety of batteries with aqueous electrolyte*

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