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**Fiksni kondenzatorji za uporabo v elektronski opremi - 18-1. del: Okvirna podrobna specifikacija - Fiksni aluminijски elektrolitski kondenzatorji s trdim elektrolitom (MnO<sub>2</sub>) za površinsko montažo - Ocenjevalni nivo EZ (IEC 60384-18-1:2007)**

Fixed capacitors for use in electronic equipment - Part 18-1: Blank detail specification - Fixed aluminium electrolytic surface mount capacitors with solid (MnO<sub>2</sub>) electrolyte - Assessment level EZ (IEC 60384-18-1:2007)

Festkondensatoren zur Verwendung in Geräten der Elektronik - Teil 18-1: Vordruck für Bauartspezifikation - Oberflächenmontierbare Aluminium-Elektrolyt-Kondensatoren mit festem (MnO<sub>2</sub>) Elektrolyten - Bewertungsstufe EZ (IEC 60384-18-1:2007)

Condensateurs fixes utilisés dans les équipements électroniques - Partie 18-1: Spécification particulière cadre - Condensateurs fixes électrolytiques en aluminium pour montage en surface à électrolyte solide (MnO<sub>2</sub>) - Niveau d'assurance de la qualité EZ (IEC 60384-18-1:2007)

**Ta slovenski standard je istoveten z: EN 60384-18-1:2007**

**ICS:**

31.060.50	Aluminijски elektrolitni kondenzatorji	Aluminium electrolytic capacitors
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**SIST EN 60384-18-1:2008**

**en,de**

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SIST EN 60384-18-1:2008

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English version

**Fixed capacitors for use in electronic equipment -  
Part 18-1: Blank detail specification -  
Fixed aluminium electrolytic surface mount capacitors  
with solid (MnO<sub>2</sub>) electrolyte -  
Assessment level EZ  
(IEC 60384-18-1:2007)**

Condensateurs fixes utilisés  
dans les équipements électroniques -  
Partie 18-1: Spécification  
particulière cadre -

Condensateurs fixes électrolytiques  
en aluminium pour montage en surface  
à électrolyte solide (MnO<sub>2</sub>) -  
Niveau d'assurance de la qualité EZ  
(CEI 60384-18-1:2007)

Festkondensatoren zur Verwendung  
in Geräten der Elektronik -  
Teil 18-1: Vordruck für Bauartspezifikation -  
Oberflächenmontierbare

Aluminium-Elektrolyt-Kondensatoren  
mit festem (MnO<sub>2</sub>) Elektrolyten -  
Bewertungsstufe EZ  
(IEC 60384-18-1:2007)

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## CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

## Foreword

The text of document 40/1765/CDV, future edition 2 of IEC 60384-18-1, prepared by IEC TC 40, Capacitors and resistors for electronic equipment, was submitted to the IEC-CENELEC parallel Unique Acceptance Procedure and was approved by CENELEC as EN 60384-18-1 on 2007-04-01.

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) 2008-01-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2010-04-01

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60384-18-1:2007 was approved by CENELEC as a European Standard without any modification.

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**Annex ZA**  
(normative)

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

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

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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60384-1 (mod)	- <sup>1)</sup>	Fixed capacitors for use in electronic equipment - Part 1: Generic specification	EN 60384-1 + corr. October	2001 <sup>2)</sup> 2001
IEC 60384-18	- <sup>1)</sup>	Fixed capacitors for use in electronic equipment - Part 18: Sectional specification - Fixed aluminium electrolytic surface mount capacitors with solid (MnO <sub>2</sub> ) and non-solid electrolyte	EN 60384-18	2007 <sup>2)</sup>
IEC 60410	- <sup>1)</sup>	Sampling plans and procedures for inspection - by attributes		-

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

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# INTERNATIONAL STANDARD

# IEC 60384-18-1

QC 302301

Second edition  
2007-03

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## Fixed capacitors for use in electronic equipment –

### Part 18-1:

### Blank detail specification –

### Fixed aluminium electrolytic surface mount capacitors with solid (MnO<sub>2</sub>) electrolyte –

### Assessment level EZ

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Commission Electrotechnique Internationale  
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Международная Электротехническая Комиссия

PRICE CODE

**M**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –****Part 18-1: Blank detail specification –  
Fixed aluminium electrolytic surface mount capacitors  
with solid (MnO<sub>2</sub>) electrolyte –  
Assessment level EZ**

## FOREWORD

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International Standard IEC 60384-18-1 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment.

This second edition cancels and replaces the first edition published in 1993 and its amendment (1998) and constitutes a technical revision. This edition constitutes a minor revision related to tables, figures and references.



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

CDV	Report on voting
40/1765/CDV	40/1823/RVC

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 QC number that appears on the front cover of this publication is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).

The list of all parts of the IEC 60384 series, under the general title *Fixed capacitors for use in electronic equipment*, can be found on the IEC website.

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.

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A bilingual version of this standard may be issued at a later date.

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