ICS 31.060.30 SLOVENSKÁ TECHNICKÁ NORMA Máj 2021

| STN | **Nepremenné kondenzátory na použitie v elektronických zariadeniach<br>Časť 16: Rámcová špecifikácia<br>Nepremenné kondenzátory na jednosmerný prúd s dielektrikom z metalizovanej polypropylénovej fólie<br>Oprava AC** | **STN<br>EN IEC<br>60384-16/AC**<br><br>35 8295 |
|---|---|---|

Fixed capacitors for use in electronic equipment - Part 16: Sectional specification - Fixed metallized polypropylene film dielectric DC capacitors

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. 04/21

Obsahuje: EN IEC 60384-16:2019/AC Dec.:2020, IEC 60384-16:2019/Cor. 1:2020

**132477**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

# EN IEC 60384-16:2019/AC:2020-12

December 2020

ICS 31.060.30

English Version

# Fixed capacitors for use in electronic equipment - Part 16: Sectional specification - Fixed metallized polypropylene film dielectric DC capacitors (IEC 60384-16:2019/COR1:2020)

Condensateurs fixes utilisés dans les équipements électroniques - Partie 16: Spécification intermédiaire - Condensateurs fixes pour courant continu à diélectrique en film de polypropylène métallisé (IEC 60384-16:2019/COR1:2020)

Festkondensatoren zur Verwendung in Geräten der Elektronik - Teil 16: Rahmenspezifikation - Festkondensatoren mit metallisierter Polypropylen-Folie als Dielektrikum für Gleichspannung (IEC 60384-16:2019/COR1:2020)

This corrigendum becomes effective on 25 December 2020 for incorporation in the English language version of the EN.

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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

## Endorsement notice

The text of the corrigendum IEC 60384-16:2019/COR1:2020 was approved by CENELEC as EN IEC 60384-16:2019/AC:2020-12 without any modification.

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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**IEC 60384-16**
**Edition 3.0 2019-09**

**FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –**

**Part 16: Sectional specification – Fixed metallized polypropylene film dielectric DC capacitors**

**IEC 60384-16**
**Édition 3.0 2019-09**

**CONDENSATEURS FIXES UTILISÉS DANS LES ÉQUIPEMENTS ÉLECTRONIQUES –**

**Partie 16: Spécification intermédiaire – Condensateurs fixes pour courant continu à diélectrique en film de polypropylène métallisé**

# CORRIGENDUM 1

Corrections to the French version appear after the English text.

Les corrections applicables à la version française sont publiées après celles applicables à la version anglaise.

## Table 3 – Sampling plan for qualification approval tests, assessment level EZ

*Replace Table 3 with the following new table:*

| Group No. | Test | Subclause | Number of specimens ($n$) and permissible number of non-conforming items ($c$) | | | | |
|---|---|---|---|---|---|---|---|
| | | | Per value[b] | For four or fewer values to be tested[b] | | For six values to be tested[b] | |
| | | | $n$ | 4 $n$ | $c$ | 6 $n$ | $c$ |
| 0 | Visual examination<br>Dimensions<br>Capacitance<br>Tangent of loss angle<br><br>Voltage proof<br>Insulation resistance<br><br>Inductance[a]<br>Sealing[a]<br>Spare specimens | 4.1<br>4.1<br>4.2.2<br>4.2.3<br><br>4.2.1<br>4.2.4<br><br>4.2.5<br>4.16 | 29<br><br><br><br><br><br><br>(+5)[a]<br>(+5)[a]<br>2 | 116<br><br><br><br><br><br><br>(+20)[a]<br>(+20)[a]<br>8 | 0 | 174<br><br><br><br><br><br><br>(+30)[a]<br>(+30)[a]<br>12 | 0 |
| 1A | Robustness of terminations<br>Resistance to soldering heat<br>Component solvent resistance | 4.3<br>4.4<br>4.14 | 3 | 12 | 0 | 18 | 0 |
| 1B | Solderability<br>Solvent resistance of the marking<br>Rapid change of temperature<br>Vibration<br>Bump or shock[a] | 4.5<br>4.15<br>4.6<br>4.7<br>4.8 or 4.9 | 6 | 24 | 0 | 36 | 0 |
| 1 | Climatic sequence | 4.10 | 9 | 36 | 0 | 54 | 0 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | Damp heat, steady state<br>Damp heat, steady state with voltage | 4.11 | | 5<br>(+5)[a] | | 20<br>(+20)[a] | | 0 | | 30<br>(+30)[a] | | 0 |
| | 3 | Endurance | 4.12 | | 10 | | 40 | | 0 | | 60 | | 0 |
| | 4 | Characteristics depending on temperature[a]<br>Charge and discharge | 4.2.6<br>4.13 | | 5 | | 20 | | 0 | | 30 | | 0 |

[a] If required.

[b] For capacitance-voltage combinations, see 3.4.2.

## A.1 Scope

Replace "2.1.1" with "2.1" *in the first line*.

### A.2.2 Grade (I) robustness under humidity

*Replace the 1st paragraph with the following text:*

An additional sample shall be tested with rated DC voltage applied. See 2.1 and 4.11.3, b).

### A.2.3 Grade (II) robustness under high humidity

*Replace the 1st paragraph with the following text:*

An additional sample shall be tested with rated DC voltage applied. See 2.1 and 4.11.3, b).

### A.2.4 Grade (III) high robustness under high humidity

*Replace the 1st paragraph with the following text:*

An additional sample shall be tested with rated DC voltage applied. See 2.1 and 4.11.3, b).

*In Note 2, replace* "non-existant" *by* "non-existent".