

INTERNATIONAL ELECTROTECHNICAL COMMISSION  
COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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**IEC 60384-17**  
Edition 3.0 2019-03

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

**Part 17: Sectional specification –  
Fixed metallized polypropylene film dielectric AC  
and pulse capacitors**

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

**Partie 17: Spécification intermédiaire –  
Condensateurs fixes pour tension alternative et  
pour impulsions à diélectrique en film de  
polypropylène métallisé**

**C O R R I G E N D U M 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.

**CONTENTS**

*Add Subclause 4.16 Sealing (if required)*

**Table 3 – Test and sampling plan for qualification approval, 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 <sup>b</sup>                                                     | For four or less values to be tested <sup>b</sup> | For six values to be tested <sup>b</sup> | c |   |
|                                                                  |                                                                |            |                                                                            |                                                   |                                          |   | n |
| 0                                                                | Visual examination                                             | 4.1        | 29                                                                         | 116                                               | 174                                      | 0 |   |
|                                                                  | Marking                                                        | 1.6        |                                                                            |                                                   |                                          |   |   |
|                                                                  | Dimensions                                                     | 4.1        |                                                                            |                                                   |                                          |   |   |
|                                                                  | Capacitance                                                    | 4.2.2      |                                                                            |                                                   |                                          |   |   |
|                                                                  | Tangent of loss angle                                          | 4.2.3      |                                                                            |                                                   |                                          |   |   |
|                                                                  | Voltage proof                                                  | 4.2.1      |                                                                            |                                                   |                                          |   |   |
|                                                                  | Insulation resistance                                          | 4.2.4      |                                                                            |                                                   |                                          |   |   |
|                                                                  | Inductance <sup>d</sup>                                        | 4.2.5      | (+5) <sup>d</sup>                                                          | (+20) <sup>d</sup>                                | (+30) <sup>d</sup>                       |   |   |
|                                                                  | Sealing <sup>d</sup>                                           | 4.16       | (+5) <sup>d</sup>                                                          | (+20) <sup>d</sup>                                | (+30) <sup>d</sup>                       |   |   |
|                                                                  | Spare specimens                                                |            | 2                                                                          | 8                                                 | 12                                       |   |   |
| 1A                                                               | Robustness of terminations                                     | 4.3        | 3                                                                          | 12                                                | 18                                       |   |   |
|                                                                  | Resistance to soldering heat                                   | 4.4        |                                                                            |                                                   |                                          |   |   |
|                                                                  | Component solvent resistance <sup>d</sup>                      | 4.14       |                                                                            |                                                   |                                          |   |   |
| 1B                                                               | Solderability                                                  | 4.5        | 6                                                                          | 24                                                | 36                                       |   |   |
|                                                                  | Solvent resistance of the marking                              | 4.15       |                                                                            |                                                   |                                          |   |   |
|                                                                  | Rapid change of temperature                                    | 4.6        |                                                                            |                                                   |                                          |   |   |
|                                                                  | Vibration                                                      | 4.7        |                                                                            |                                                   |                                          |   |   |
|                                                                  | Bump or shock <sup>a</sup>                                     | 4.8 or 4.9 |                                                                            |                                                   |                                          |   |   |
| 1                                                                | Climatic sequence                                              | 4.10       | 9                                                                          | 36                                                | 54                                       |   |   |
| 2                                                                | Damp heat, steady state without voltage                        | 4.11       | 5                                                                          | 20                                                | 30                                       |   |   |
|                                                                  | Damp heat, steady state with voltage <sup>d</sup>              |            | (+5) <sup>d</sup>                                                          | (+20) <sup>d</sup>                                | (+30) <sup>d</sup>                       |   |   |
| 3A                                                               | Endurance test at 50 Hz/60 HZ alternating voltage              | 4.12.1     | 10                                                                         | 40                                                | 60                                       |   |   |
| 3B <sup>e</sup>                                                  | Endurance test with sinusoidal current or voltage <sup>d</sup> | 4.12.2     | (+5) <sup>d</sup>                                                          | (+20) <sup>d</sup>                                | (+30) <sup>d</sup>                       |   |   |
| 3C <sup>e</sup>                                                  | Pulse endurance test <sup>d</sup>                              | 4.12.3     | (+5) <sup>d</sup>                                                          | (+20) <sup>d</sup>                                | (+30) <sup>d</sup>                       |   |   |
| 4                                                                | Characteristics depending on temperature <sup>d</sup>          | 4.2.6      | (+5) <sup>d</sup>                                                          | (+20) <sup>d</sup>                                | (+30) <sup>d</sup>                       |   |   |
|                                                                  | Charge and discharge <sup>c</sup>                              | 4.13       | 5 <sup>c</sup>                                                             | 20 <sup>c</sup>                                   | 30 <sup>c</sup>                          |   |   |
| <sup>a</sup> As required in the detail specification.            |                                                                |            |                                                                            |                                                   |                                          |   |   |
| <sup>b</sup> Capacitance-voltage combinations, see 3.4.2.        |                                                                |            |                                                                            |                                                   |                                          |   |   |
| <sup>c</sup> Not required when pulse endurance test is required. |                                                                |            |                                                                            |                                                   |                                          |   |   |
| <sup>d</sup> If required in the detail specification.            |                                                                |            |                                                                            |                                                   |                                          |   |   |

Add Subclause 4.16 as follows:

#### 4.16 Sealing (if required)

See IEC 60384-1:2016, 4.20.

#### A.1 General

In the first line, replace "2.1.2" by "2.1".