EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 60384-17:2019/AC:2021-01

January 2021

ICS 31.060.30

English Version

Fixed capacitors for use in electronic equipment - Part 17: Sectional specification - Fixed metallized polypropylene film dielectric AC and pulse capacitors (IEC 60384-17:2019/COR1:2020)

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 (IEC 60384-17:2019/COR1:2020)

Festkondensatoren zur Verwendung in Geräten der Elektronik - Teil 17: Rahmenspezifikation: Festkondensatoren mit metallisierter Polypropylen-Folie als Dielektrikum für Wechselspannungs- und Impulsbetrieb (IEC 60384-17:2019/COR1:2020)

This corrigendum becomes effective on 15 January 2021 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 60384-17:2019/COR1:2020 was approved by CENELEC as EN IEC 60384-17:2019/AC:2021-01 without any modification.

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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IEC 60384-17
Edition 3.0 2019-03

FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –

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

IEC 60384-17
Édition 3.0 2019-03

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

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.

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:

IEC 60384-17:2019-03/COR1:2020-12(en-fr)

Group No.	Test	Subclause	Number of specimens (*n*) and permissible number of non-conforming items (*c*)			
			Per value[b]	For four or less values to be tested[b]	For six values to be tested[b]	*c*
			n	4 *n*	6 *n*	
0	Visual examination Marking Dimensions Capacitance Tangent of loss angle Voltage proof Insulation resistance Inductance [d] Sealing [d] Spare specimens	4.1 1.6 4.1 4.2.2 4.2.3 4.2.1 4.2.4 4.2.5 4.16	29 (+5)[d] (+5)[d] 2	116 (+20)[d] (+20)[d] 8	174 (+30)[d] (+30)[d] 12	0
1A	Robustness of terminations Resistance to soldering heat Component solvent resistance [d]	4.3 4.4 4.14	3	12	18	
1B	Solderability Solvent resistance of the marking Rapid change of temperature Vibration Bump or shock [a]	4.5 4.15 4.6 4.7 4.8 or 4.9	6	24	36	
1	Climatic sequence	4.10	9	36	54	
2	Damp heat, steady state without voltage Damp heat, steady state with voltage [d]	4.11	5 (+5)[d]	20 (+20)[d]	30 (+30)[d]	
3A 3B[e] 3C[e]	Endurance test at 50 Hz/60 HZ alternating voltage Endurance test with sinusoidal current or voltage [d] Pulse endurance test [d]	4.12.1 4.12.2 4.12.3	10 (+5)[d] (+5)[d]	40 (+20)[d] (+20)[d]	60 (+30)[d] (+30)[d]	
4	Characteristics depending on temperature [d] Charge and discharge [c]	4.2.6 4.13	(+5)[d] 5[c]	(+20)[d] 20[c]	(+30)[d] 30[c]	

[a] As required in the detail specification.

[b] Capacitance-voltage combinations, see 3.4.2.

[c] Not required when pulse endurance test is required.

[d] 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".

A.2 Humidity robustness grades

Grade (I) robustness under humidity

Replace the 1st paragraph with the following text:

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

Grade (II) robustness under high humidity

Replace the 1st paragraph with the following text:

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

Grade (III) high robustness under high humidity

Replace the 1st paragraph with the following text:

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