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EMC Test Report

Applicant : Jiangmen Yueling Electric Appliance Co., Ltd

5th Floor, Building 3, No. 4, Miaogangfang,

Address : Tangxi, Hetang Town, Pengjiang District,

Jiangmen City, Guangdong, China

Product Name : The air fryer

Report Date : Jun. 12, 2023

Shenzhen Anbotek Compliance Laboratory Limited







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TEST REPORT

Applicant : Jiangmen Yueling Electric Appliance Co., Ltd

Manufacturer : Jiangmen Yueling Electric Appliance Co., Ltd

Product Name : The air fryer

Test Model No. : L-5061

Reference Model No. L-5060, L-5060S, L-5061S

Trade Mark : N.A.

Rating(s) : 220-240V~ 50/60Hz 1350W

Test Standard(s) : EN IEC 55014-1: 2021;

EN IEC 61000-3-2: 2019+A1:2021; EN 61000-3-3: 2013+A1:2019+A2:2021;

EN IEC 55014-2: 2021;

(IEC 61000-4-2; IEC 61000-4-3; IEC 61000-4-4; IEC 61000-4-5; IEC 61000-4-6; IEC 61000-4-11)

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the EN IEC 55014-1, EN IEC 61000-3-2, EN 61000-3-3, EN IEC 55014-2 requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt:	May 24, 2023
Date of Test:	May 24~Jun. 05, 2023
	We Zeng
Prepared By:	K hote Anbo, All
	(We Zeng)
	antigot I Amb
	(ingkong)in
Approved & Authorized Signer:	The de de la contraction de la
	(KingKong Jin)







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1. General Information

1.1. Client Information

400	No	No to the second
Applicant		Jiangmen Yueling Electric Appliance Co., Ltd
Address	:	5th Floor, Building 3, No. 4, Miaogangfang, Tangxi, Hetang Town, Pengjiang District, Jiangmen City, Guangdong, China
Manufacturer		Jiangmen Yueling Electric Appliance Co., Ltd
Address	:	5th Floor, Building 3, No. 4, Miaogangfang, Tangxi, Hetang Town, Pengjiang District, Jiangmen City, Guangdong, China
Factory		Jiangmen Yueling Electric Appliance Co., Ltd
Address	:	No.2, Lane 3, Miaogangfang, Tangxi, Zhongxing 1st Road, Hetang Town, Pengjiang District, Jiangmen City, Guangdong, China

1.2. Description of Device (EUT)

200	-	Yes View View View View View View View View
Product Name	:	The air fryer
Test Model No.	:	L-5061
Reference Model No.	:	L-5060, L-5060S, L-5061S (Note: All samples are the same except the model number & appearance, so we prepare "L-5061" for test only.)
Trade Mark	:	N.A. Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Test Power Supply	:	AC 230V, 50Hz
Test Sample No.	:	1-1-1 dek Anborek Anborek Anborek Anborek Anborek Anborek
Product		hotek Ando. A. stek anbote. And ok hotel
Description	:	N/A And Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek

Remark: (1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.







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1.3. Product Type

☐ Category I: equipment containing no electronic control circuitry
☐ Category II: mains operated equipment containing electronic control circuitry with no clock frequency higher than 15 MHz
☐ Category III: battery operated equipment not included in Category I
☐ Category IV: mains operated equipment containing electronic control circuitry with a highest clock frequency greater than 15 MHz but lower than or equal to 200 MHz
☐ Category V: mains operated equipment containing electronic control circuitry with a highest clock frequency greater than 200 MHz

1.4. Auxiliary Equipment Used During Test

N/A	bo _{fer}	AUG	rek	anbotek	Vupo.	ak pr	hotek	Anbore	D.





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1.5. Description of Test Mode

Pretest Mode	Description
Mode 1	botek Anbotek On Anbotek Anbotek

For Mode 1 Block Diagram of Test Setup

AC Mains	b.	- 0
botak	EUT	
	100	

1.6. Test Summary

Test Items	Test Mode	Status
Power Line Conducted Emission Test	Mode 1	Anboren An
Asymmetric Mode Conducted Emission at Telecom Port	hotek / Anbotek	An N stek
Magnetic Field Inducted Current	Anbotek / Anbo	N hotek
Disturbance Power (30MHz-300MHz)	Anborok Ar	oote N Anbot
Magnetic Field Strength (9KHz-30MHz)	Autoren ok	Ambo hoteN Ant
Radiated Emission Test (Below 1 GHz)	Mode 1	Pur Bok
Radiated Emission Test (Above 1GHz)	Anbotek Anbo	ek Notek
Harmonic Current Test	Mode 1	otek Panbotek
Voltage Fluctuations & Flicker Test	Mode 1	Anbotek P Anbote
Electrostatic Discharge Immunity Test	Mode 1	Anbotek Anb
Electrical Fast Transient/Burst Immunity Test	Mode 1	Anbore P
Surge Immunity Test	Mode 1	P botek
Injected Currents	Mode 1	otek P anbotel
Voltage Dips and Interruptions Immunity Test	Mode 1	hotelP Anb
D) Indicates "DASS"	Jek Upor	bu.

- P) Indicates "PASS".
- F) Indicates "Fail".
- N) Indicates "Not applicable".







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1.7. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Anl 1.	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	Oct. 23, 2022	1 Year
2.	Three Phase V-type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	Jul. 05, 2022	1 Year
3.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Oct. 13, 2022	1 Year
4.	RF Switching Unit	Compliance Direction	RSU-M2	38303	Oct. 22, 2022	1 Year
5.	Software Name EZ-EMC	Ferrari Technology	ANB-03A	N/A	N/A	N/A

Asymmetric Mode Conducted Emission at Telecom Port

Iten	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	ISN	Schwarzbeck	NTFM 8158	#172	Oct. 13, 2022	1 Year
2.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Oct. 13, 2022	1 Year
3.	RF Switching Unit	Compliance Direction	RSU-M2	38303	Oct. 22, 2022	1 Year
4.	Software Name EZ-EMC	Ferrari Technology	ANB-03A	N/A	N/A	N/A
5.	Three Phase V-type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	Jul. 05, 2022	1 Year

☐ Magnetic Field Inducted Current

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
M.bo.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Oct. 13, 2022	1 Year
2. ^{A/n}	Triple-Loop Antenna(2M)	EVERFINE	LLA-2	905003	Oct. 23, 2022	1 Year
3.	RF Switching Unit	Compliance Direction	RSU-M2	38303	Oct. 22, 2022	1 Year
4.	Software Name EZ-EMC	Ferrari Technology	ANB-03A	N/A	N/A	N/A







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☐ Disturbance Power (30MHz-300MHz)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Absorbing Clamp	TESEQ	MDS 21B	58885	Oct. 23, 2022	1 Year
2. ^{Ant}	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Oct. 13, 2022	1 Year
, _{ek} 3.	RF Switching Unit	Compliance Direction	RSU-M2	38303	Oct. 22, 2022	1 Year
v°4.	Software Name EZ-EMC	Ferrari Technology	ANB-03A	N/A	N/A	N/A

☐ Magnetic Field Strength (9KHz-30MHz)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Oct. 13, 2022	1 Year
2.	Pre-amplifier	Schwarzbeck	BBV-9745	9745-075	Oct. 23, 2022	1 Year
Anbore 3.	Loop Antenna (9K-30M)	Schwarzbeck	FMZB1519B	00053	Oct. 23, 2022	1 Year
4.	Software Name EZ-EMC	Ferrari Technology	EMEC-3A1	N/A	N/A	potek N/A Moot

□ Radiated Emission Test (Below 1 GHz)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.00	EMI Test Receiver	Rohde & Schwarz	ESPI7	101340	Feb. 22, 2023	1 Year
2. 🕅	Pre-amplifier	Emtrace	RP01A	00517	Feb. 22, 2023	1 Year
3.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	01471	Feb. 25, 2023	1 Year
4.	Software Name EZ-EMC	Ferrari Technology	ANB-03A	N/A	N/A	N/A





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☐ Radiated Emission Test (Above 1GHz)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	Oct. 23, 2022	1 Year
2.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	VULB 9163-289	Oct. 23, 2022	1 Year
3.	Pre-amplifier	SONOMA	310N	186860	Oct. 23, 2022	1 Year
1001el 4.	Software Name EZ-EMC	Ferrari Technology	ANB-03A	N/A	N/A	N/A
5. Anh	EMI Preamplifier	SKET Electronic	LNPA-0118G- 45	SKET-PA-0 02	Oct. 13, 2022	1 Year
6.	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	Oct. 16, 2022	3 Year

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Anb	Programmable AC Power source	IVYTECH	APS-5005A	632734	Oct. 23, 2022	1 Year
2.	Harmonic and Flicker Analyzer	EMC-PARTNER	HMONICS 1000-1P	164	Oct. 23, 2022	1 Year
3.	Harmonics-1000	N/A	Ed.3.0+4.0	N.A	N/A	N/A

⊠ Electrostatic Discharge Immunity Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1. P.	ESD Simulators	emtest	ESD NX30.1	11936	Mar. 17, 2023	1 Year

⊠ Electrical Fast Transient/Burst Immunity Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
P1.	Surge Generator	TESEQ	NSG 3060	1480	Oct. 23, 2022	1 Year
2.40	CDN	TESEQ	CDN 3061	1408	Oct. 23, 2022	1 Year
3.	EFT-Clamp	PRIMA	EFT-Clamp	aboteky A	Oct. 13, 2022	1 Year







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⊠ Surge Immunity Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.Anh	Combined Wave Lightning Surge Simulator	3Ctest	CCS600	ES3771702	Jul. 05, 2022	1 Year
2.	Three Phase Power Coupling Network	3Ctest	SEPN69100 T	ES0801757	Jul. 05, 2022	1 Year
3.ote	Telecom port surge generator	PMI MOORE	TW101	190411	Apr. 20, 2023	1 Year

⊠ Injected Currents Susceptibility Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Antiotel	C/S Conducted Immunity Test System	FRANKONIA	CIT-10	126A1196/20 12	Oct. 23, 2022	1 Year
2.	CDN	FRANKONIA	CDN - M2+ M3	A2210178/20 12	Oct. 23, 2022	1 Year
3.	6dB Attenuator	FRANKONIA	DAM 26W	1172202	Oct. 23, 2022	1 Year
4.	CIT-10	FRANKONIA	Version1.1.7	N/A	N/A	N/A
17. 15. 16. K	EM-Clamp	FRANKONIA	EMCL-20	18101728-01 03	Apr. 20, 2023	1 Year

⊠ Voltage Dips and Interruptions Immunity Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
10%	CYCLE SAG	DDIMA otek	DRP61011A	DD42046224	Oct 22 2022	Anbore A
anbore	Simulator	PRIMA	G	PR12040234	Oct. 23, 2022	1 Year





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1.8. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC-Registration No.: 184111

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 184111.

ISED-Registration No.: 8058A

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518128

1.9. EMS Performance Criteria

Performance criterion A

The apparatus shall continue to operate as intended during the test. No degradation of performance or loss of function is allowed below a performance level(or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended.

If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and from what the user may reasonably expect from the apparatus if used as intended.

Performance criterion B

The apparatus shall continue to operate as intended after the test No degradation of performance or loss of function is allowed below a performance level (or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended. During the test, degradation of performance is allowed, however no change of actual operating state or stored data is allowed to persist after the test.

If the minimum performance level (or the permissible performance loss), or recovery time, is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

Performance criterion C

Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls, or by any operation specified in the instructions for use.

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2. Power Line Conducted Emission Test

2.1. Test Standard and Limit

N No. 100	O . PA	750	V 13 12	Maria	100
Test Standard:	EN IEC 55014-1	Anbo	Morek	Anbore	Yu.

□ General Limits (Mains ports -Disturbance voltage)

F(NALL=)	Limits	(dBμV)		
Frequency (MHz)	Quasi-peak Level	Average Level		
0.15 ~ 0.5	66~56	59~46		
0.5 ~ 5.0	56 mbotel	Anbo 46 notek Anbo		
5.0~ 30	An 60	Anbore 50 tek		

Remark:

- (1) The lower limit shall apply at the transition frequencies.
- (2) The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

☐ Disturbance voltage limits for the AC mains port of equipment with active IPT functions (Appliances which are 100 V rated and without an earth connection)

Fraguency /MII=\	Limits (dBμV)			
Frequency (MHz)	Quasi-peak Level	Average Level		
0.009 ~ 0.05	122	Inbotes And Anbotek		
0.05 ~ 0.15	102~92	Anbores And hotek Anbore		
0.15 ~ 0.50	72~62	62~52		
0.50 ~ 5.00	Anborek Anbore	Anbore 46 And hotek		
5.00 ~30.00	60	stek Anbor 50 Ans shorek		

Remark:

- (1) The lower limit shall apply at the transition frequencies.
- (2) The limit decreases linearly with the logarithm of the frequency in the range 0.05MHz to 0.50MHz





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☐ Disturbance voltage limits for the AC mains port of equipment with active IPT functions (All other appliances)

- 444	Limits (dBμV)				
Frequency (MHz)	Quasi-peak Level	Average Level			
0.009 ~ 0.05	Anbore 110 Anbore	And Anbotek Ar			
0.05 ~ 0.15	90~80	Anbotek Anbotek			
0.15 ~ 0.50	66~56	56~46			
0.50 ~ 5.00	Anbourge 56	Anborek Anborek			
5.00 ~30.00	60 Anbotek	Anbore So botek Anbor			

Remark:

- (1) The lower limit shall apply at the transition frequencies.
- (2) The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

General Limits (Auxiliary ports -Disturbance voltage)

Fraguency (MIII-)	Limits (dBμV)			
Frequency (MHz)	Quasi-peak Level	Average Level		
0.15 ~ 0.5	80	70 Anbore		
0.5 ~ 30	Anto 74 mek mit	64		

General Limits (Auxiliary ports -Disturbance current)

Figure 200 (MALIE)	Limits (dBμA)			
Frequency (MHz)	Quasi-peak Level	Average Level		
0.15 ~ 0.5	40~30	30~20		
0.5 ~ 30	America 30 mbotek	20 × Anbone		

Remark:

- (1) The lower limit shall apply at the transition frequencies.
- (2) The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.





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Limits for the mains port of motor operated tools (P≤700W -Disturbance voltage)

Fraguency (MIII-)	Limits	Limits (dBμV)			
Frequency (MHz)	Quasi-peak Level	Average Level			
0.15 ~ 0.35	66~59	59~49			
0.35 ~ 5.0	59 AN 59	49			
5.0~ 30	64	54			

Remark:

- (1) The lower limit shall apply at the transition frequencies.
- (2) The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
- (3)P=rated power of the motor only.

☐ Limits for the mains port of motor operated tools (700W<P≤1000W -Disturbance voltage)

Fraguency (MIII-)	Limits (dBμV)		
Frequency (MHz)	Quasi-peak Level	Average Level	
0.15 ~ 0.35	70~63	63~53	
0.35 ~ 5.0	63	53	
5.0~ 30	68 ex	And tek 58 nbotek Ant	

Remark:

- (1) The lower limit shall apply at the transition frequencies.
- (2) The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
- (3)P=rated power of the motor only.

☐ Limits for the mains port of motor operated tools (P>1000W -Disturbance voltage)

Fraguency (MHz)	Limits (dBμV)			
Frequency (MHz)	Quasi-peak Level	Average Level		
0.15 ~ 0.35	76~69	69~59		
0.35 ~ 5.0	Lek Anbotek 69 Anbo	M 59		
5.0~ 30	ok abor74 Anbore	64		

Remark:

- (1) The lower limit shall apply at the transition frequencies.
- (2) The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
- (3)P=rated power of the motor only.

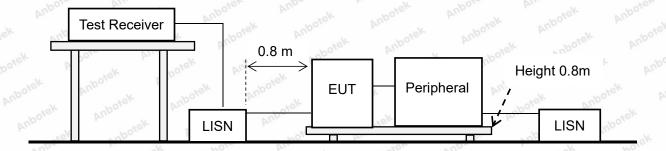






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2.2. Test Setup



2.3. Test Procedure

The table-top EUT is placed on a non-conductive table 0.8 m above the horizontal ground reference plane, and the back of the EUT is 0.4 m away from the vertical ground reference plane, and at least 0.8 m from any other metal surface or ground plane. The floor-standing EUT is placed on an insulating support 0.8 m above the horizontal ground reference plate, at least 0.8 m away from other metal objects.

Connect EUT to the power mains through an LISN. Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the center into a bundle no longer than 0.4 m, so that its length is shortened to 1 m. All the peripherals are connecting to the other LISN (Handheld devices shall be tested with a simulated hand).

The initial testing identified the frequency that has the highest disturbance relative to the limit while operating the EUT in typical modes of operation and cable positions in a test setup representative of typical system configuration.

The identification of the frequency of highest disturbance with respect to the limit was found by investigating disturbances at a number of significant frequencies. The probable frequency of maximum disturbance had been found and that the associated cable and EUT configuration and mode of operation had been identified.

Set the test-receiver to quasi peak detect function and average detect function, and to measure the conducted emissions values.

2.4. Test Results

PASS

The test curves are shown in the following pages.







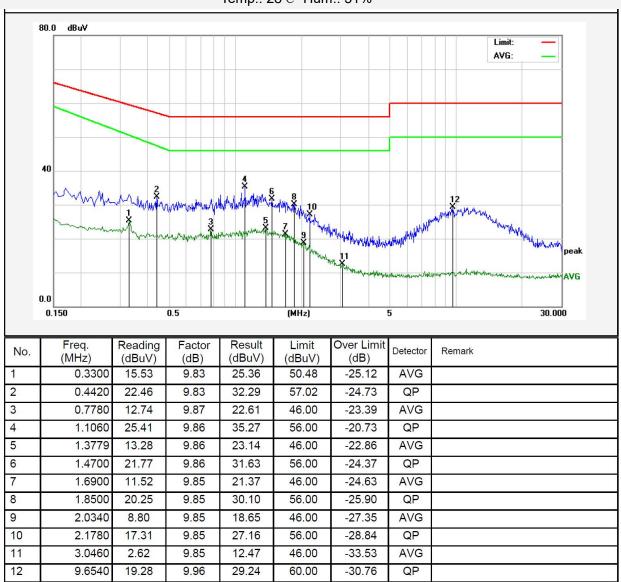
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Power Line Conducted Test Data

Test Site: 1# Shielded Room
Test Specification: AC 230V, 50Hz

Comment: Live Line

Temp.: 28 °C Hum.: 51%



Note: Result = Reading + Factor Over Limit = Result - Limit





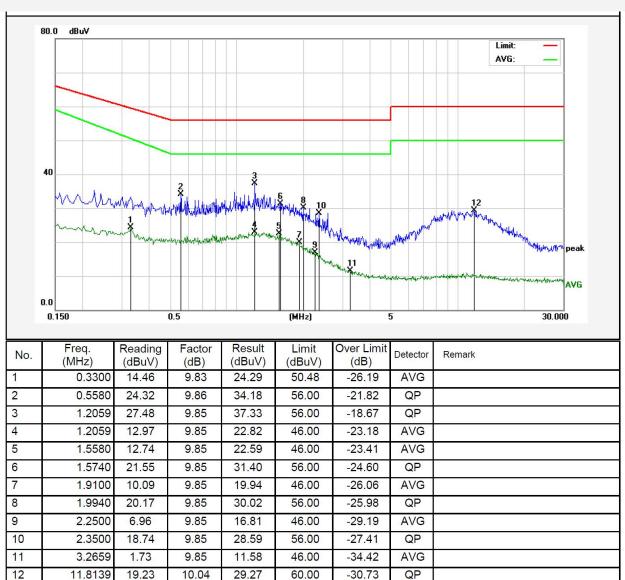


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Power Line Conducted Test Data

Test Site: 1# Shielded Room
Test Specification: AC 230V, 50Hz
Comment: Neutral Line

Temp.: 28℃ Hum.: 51%



Note: Result = Reading + Factor Over Limit = Result - Limit





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3. Asymmetric Mode Conducted Emission at Telecom Port

3.1. Test Standard and Limit

|--|

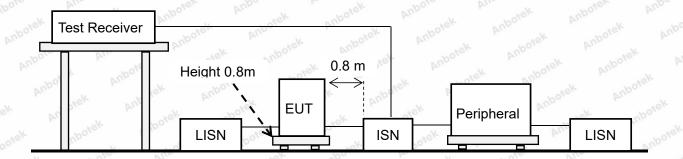
Limits for asymmetric mode conducted emissions

Francisco (MIII-)	Limits (dBμV)			
Frequency (MHz)	Quasi-peak Level	Average Level		
0.15 ~ 0.50	84.0 ~ 74.0 *	74.0 ~ 64.0 *		
0.50 ~ 30.00	74.0	64.0		

Remark:

The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

3.2. Test Setup



3.3. Test Procedure

The table-top EUT is placed on a non-conductive table 0.8 m above the horizontal ground reference plane, and the back of the EUT is 0.4 m away from the vertical ground reference plane, and at least 0.8 m from any other metal surface or ground plane. The floor-standing EUT is placed on an insulating support 0.8 m above the horizontal ground reference plane, at least 0.8 m away from other metal objects.

Connect EUT to the power mains through an LISN. Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the center into a bundle no longer than 0.4 m, so that its length is shortened to 1 m. All the peripherals are connecting to the other LISN.





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The EUT was connected to the peripheral equipment through the ISN and linked in normal condition.

Set the test-receiver to quasi peak detect function and average detect function, and to measure the asymmetric mode conducted emission values.

3.4. Test Results

Not applicable.





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4. Magnetic field induced current

4.1. Test Standard and Limit

	Test Standard		EN IEC 55014-1	Anboro	Anbotek	Anborok	Aug Pos
-	_10	6.17		V/-V	P7	_10	611-

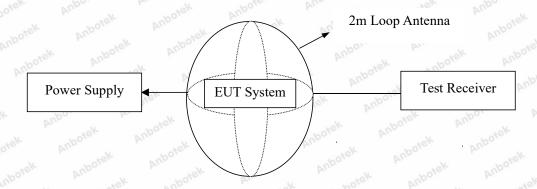
Limits for the magnetic field induced current

Francisco (MILI-)	Limits	(dBμA)		
Frequency (MHz)	Quasi-peak Level(Horizontal)	Quasi-peak Level(Vertical)		
0.009 ~ 0.070	88	106		
0.070 ~ 0.150	88~ 58 *	106~ 76 *		
0.150~30.000	58~ 22 *	76~ 40 *		

Remark:

The limit decreases linearly with the logarithm of the frequency in the range 0.070MHz to 30.000MHz.

4.2. Test Setup



4.3. Test Procedure

Place the test sample in the center of the three loop antenna so that each edge point of the test sample is more than 20cm away from the inner edge of the antenna. If this requirement cannot be met, please use the radiation method for testing.

Connect the tested equipment to the corresponding power supply, and connect all auxiliary equipment to the tested equipment.

4.4. Test Results

Not applicable.





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5. Disturbance Power(30MHz-300MHz)

5.1. Test Standard and Limit

4	Test Sta	andard		EN IEC	55014-1	Aupore	Arrabotek	Anborek	Aug. Pol
40.	abotek	Anbore	Dir.	-otek	Anbotek	Vupo.	botek	Aupore	Pur
				Dieturba	aco nower	limite (Gono	ral\ All		

Disturbance power limits (General)

Fragueray (MI Iz)	Limits	(dBpW)
Frequency (MHz)	Quasi-peak Level	Average Level
30 ~ 300	45~55	35~45
Remark:	otek Anbotek Anbote	Anbotek Anbotek Anbo

- (1) Increasing linearly with the frequency.
- (2)P=rated power of the motor only.

☐ Disturbance power limits (P≤700W)

Fragues (MIII)	Limits (dBpW)				
Frequency (MHz)	Quasi-peak Level	Average Level			
30 ~ 300	45~55	35~45			
Remark: Atek	Ar. Sek Sporer Ande	otek napore Air			

Remark:

- (1) Increasing linearly with the frequency.
- (2)P=rated power of the motor only.

☐ Disturbance power limits (700W<P≤1000W)</p>

Fraguency (MHz)	Limits ((dBpW)
Frequency (MHz)	Quasi-peak Level	Average Level
30 ~ 300	49~59	39~49
-v - 010 DU	18K 700, by	PULL PULL

Remark:

- (1) Increasing linearly with the frequency.
- (2)P=rated power of the motor only.

☐ Disturbance power limits (P>1000W)

Fraguency (MILIT)	Limits (dBpW)
Frequency (MHz)	Quasi-peak Level	Average Level
30 ~ 300	55~65	45~55
Remark:	Anbor Anborek Anbo	en Anbotek Anbotek

(1) Increasing linearly with the frequency.

(2)P=rated power of the motor only.

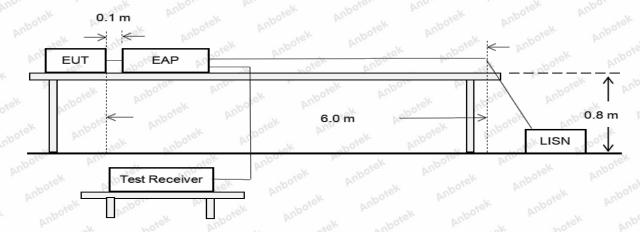
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5.2. Test Setup



5.3. Test Procedure

The tabletop EUT is placed on a non-conductive workbench 0.8 m above the horizontal ground reference plane. The back of the EUT is 0.4 m away from the vertical ground reference plane and at least 0.8 m away from any other metal surface or ground plane. The floor EUT is placed on an insulated support 0.1 m above the horizontal ground reference plate, at least 0.8 m away from other metal objects.

The cable to be tested shall be clamped with electromagnetic absorption pliers, and the sample shall be placed 10cm away from the electromagnetic absorption pliers. The length of the tested cable shall be more than 6m. If the length is less than 6m, it shall be extended.

The initial testing identified the frequency that has the highest disturbance relative to the limit while operating the EUT in typical modes of operation and cable positions in a test setup representative of typical system configuration.

The identification of the frequency of highest disturbance with respect to the limit was found by investigating disturbances at a number of significant frequencies. The probable frequency of maximum disturbance had been found and that the associated cable and EUT configuration and mode of operation had been identified.

Set the test-receiver to quasi peak detect function and average detect function, and to measure the conducted emissions values.

5.4. Test Results

Not applicable.







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6. Magnetic field strength (9KHz-30MHz)

6.1. Test Standard and Limit

- NO NO	PATE AND ADDRESS OF THE PATE A	250	V U.S.	A constant	100
Test Standard	EN IEC 55014-1	Anbo	Anborek	Anbore	Arra-bot

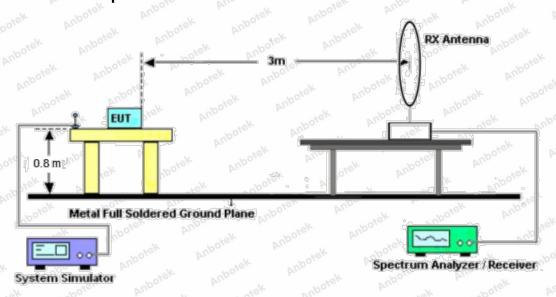
Magnetic field st rength limits

Fraguency (MIII-)	Limits at 3m distance (dBμA/m)				
Frequency (MHz)	Quasi-peak Level				
0.009 ~ 0.070	Anbotek 69. nbotek Anbotek Anbotek				
0.070 ~ 0.150	69~ 39 *				
0.150~4.000	Anbovek Anbovek Anbovek Anbovek Anbovek Anbovek				
4.000~30.000	Anbotes Anbo Anbos Anbos Anbos				

Remark:

The limit decreases linearly with the logarithm of the frequency in the range 0.070MHz to 4.000MHz.

6.2. Test Setup



6.3. Test Procedure

The table-top EUT is placed on a non-conductive table 0.8 m above the horizontal ground reference plane. The floor-standing EUT is placed on an insulating support 0.8 m above the horizontal ground reference plane.

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The EUT shall be vertically above the center of the turntable, the antenna shall be 3M away from the center of the turntable, and the lower edge of the antenna shall be more than 1m away from the horizontal reference ground plane.

The turntable can rotate 360 degree to determine the position of the maximum emission level.

In the test frequency range of 0.009mhz-0.15mhz, the analytical bandwidth of the receiver is set to 200Hz, and in the test frequency range of 0.15mhz-30mhz, the analytical bandwidth of the receiver is set to 9KHz.

6.4. Test Results

Not applicable.





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7. Radiated Emission Test (Below 1 GHz)

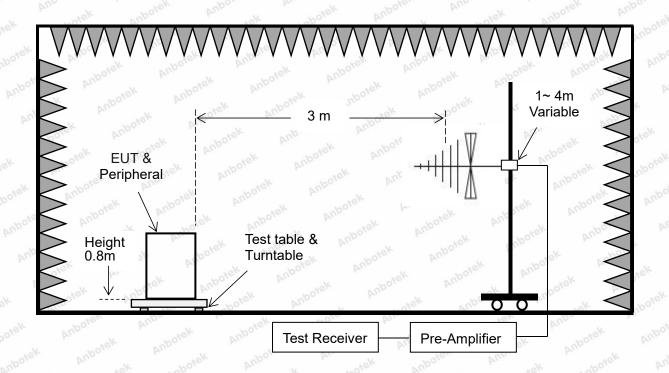
7.1. Test Standard and Limit

	400		Value	WO.	PA .	20	400	Non	WO
4		Test Stand	dard		EN IEC 55014-1	Aupo	Anbotek	Anbore	Vu.

Limit for radiated emissions at frequencies up to 1 GHz

Frequency (MHz)	Distance (Meters)	Field Strengths Limit (dBμV/m)
30 ~ 230	ek Anbors and Annabotek	And 40 arek Amborek
230 ~ 1000	potek Anborek	Anbor 47 Anbor
Remark: The lower limit shall app	ly at the transition frequencies.	Anbors And shorek Ant

7.2. Test Setup









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7.3. Test Procedure

The table-top EUT is placed on a non-conductive table 0.8 m above the horizontal ground reference plane. The floor-standing EUT is placed on an insulating support 0.8 m above the horizontal ground reference plane.

The EUT was set 3 m away from the receiving antenna that was mounted on a non-conductive mast. The antenna can move up and down between 1 to 4 m to find out the maximum emission level.

The turntable can rotate 360 degree to determine the position of the maximum emission level.

The initial testing identified the frequency that has the highest disturbance relative to the limit while operating the EUT in typical modes of operation and cable positions in a test setup representative of typical system configuration.

The identification of the frequency of highest emission with respect to the limit was found by investigating emissions at a number of significant frequencies. The probable frequency of maximum emission had been found and that the associated cable and EUT configuration and mode of operation had been identified.

The bandwidth of the Receiver is set at 120 kHz.

7.4. Test Results

PASS

The test curves are shown in the following pages.







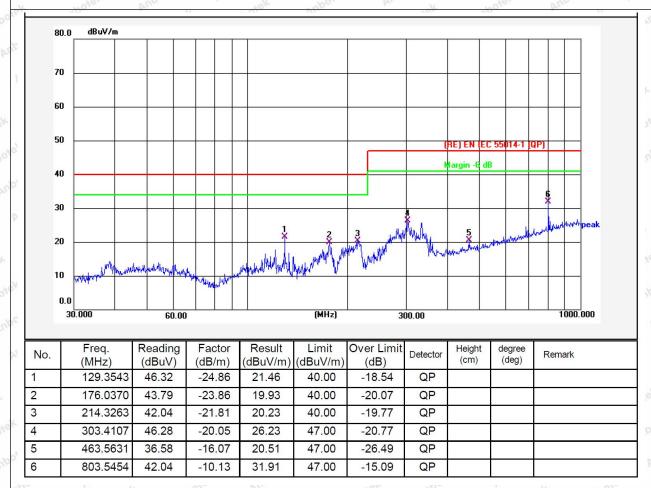
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Test item: Radiation Test Polarization: Horizontal

Standard: (RE)EN IEC 55014-1 Power Source: AC 230V, 50Hz

Frequency Range: $30\text{MHz} \sim 1000\text{MHz}$ Temp.(°C)/Hum.(%RH): 22.5(°C)/48%RH

Distance: 3m



Note: Result= Reading + Factor Over Limit=Result-Limit







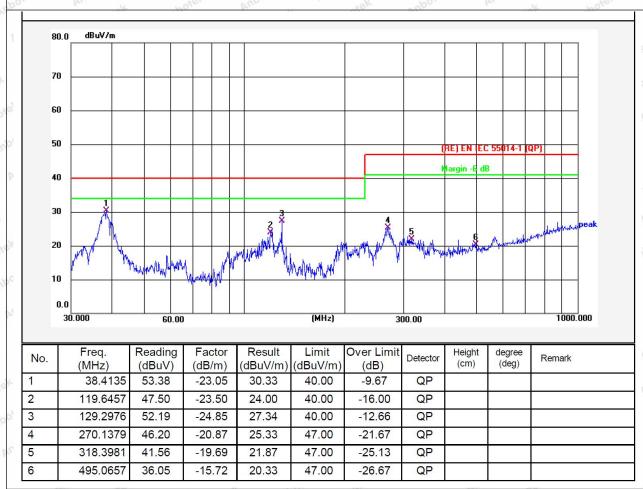
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Test item: Polarization: Vertical

Standard: (RE)EN IEC 55014-1 Power Source: AC 230V, 50Hz

Frequency Range: $30\text{MHz} \sim 1000\text{MHz}$ Temp.(°C)/Hum.(%RH): 22.5(°C)/48%RH

Distance: 3m



Note: Result= Reading + Factor Over Limit=Result-Limit







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8. Radiated Emission Test (Above 1GHz)

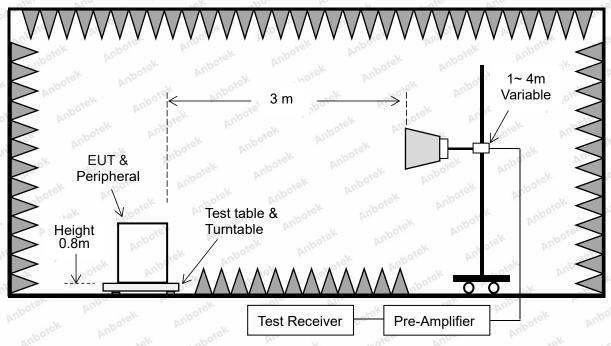
8.1. Test Standard and Limit

	Test Standard		EN IEC 55014-1	Anbore	Anborek	Anborek	Ano
-		5.11	- A 1/2	W			0.73

Limit for radiated emissions at frequencies above 1 GHz

Frequency	Distance	Field Strength	Limit (dBμV/m)		
(MHz)	(Meters)	Peak	Average		
1000 ~ 3000	Anboten 3 Anburgtek	Anbotek 70 Anbot	Andre 50 Andre 1		
3000 ~ 6000	Anbore 3 Anbo	74	54		

8.2. Test Setup



8.3. Test Procedure

The table-top EUT is placed on a non-conductive table 0.8 m above the horizontal ground reference plane. The floor-standing EUT is placed on an insulating support 0.8 m above the horizontal ground reference plane.

The EUT was set 3 m away from the receiving antenna that was mounted on a non-conductive mast. The antenna can move up and down between 1 to 4 m to find out the maximum emission level.

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The turntable can rotate 360 degree to determine the position of the maximum emission level.

The initial testing identified the frequency that has the highest disturbance relative to the limit while operating the EUT in typical modes of operation and cable positions in a test setup representative of typical system configuration.

The identification of the frequency of highest emission with respect to the limit was found by investigating emissions at a number of significant frequencies. The probable frequency of maximum emission had been found and that the associated cable and EUT configuration and mode of operation had been identified.

The test receiver is set to peak and average detects function.

The bandwidth of the test receiver is set at 1MHz.

8.4. Test Results

Not applicable.







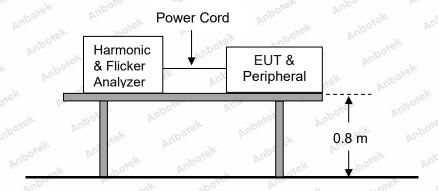
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9. Harmonic Current Test

9.1. Test Standard

	Test Standard:	EN IEC 61000-3-2	Anbo	Anbotek	Anbore	Vun.
--	----------------	------------------	------	---------	--------	------

9.2. Test Setup



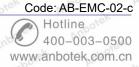
9.3. Test Procedure

The table-top EUT is placed on the top of a wooden table 0.8 m above the ground (0.8 m for the floor-standing EUT) and operated to produce the maximum harmonic components under normal operating conditions for each successive harmonic component in turn. The correspondent test program of test instrument to measure the current harmonics emanated from EUT is chosen. The measure time shall be not less than the necessary for the EUT to be exercised.

9.4. Test Results

PASS

The test curves are shown in the following pages.

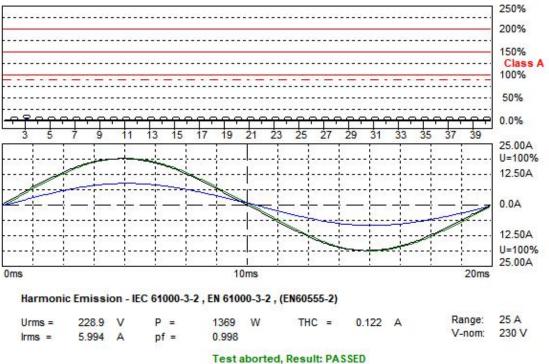






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Harmonic Current Test Result Summary (Run time)



HAR-1000 EMC-Partin

Full Bar : Actual Values **Empty Bar: Maximum Values**

Blue: Current, Green: Voltage, Red: Failed





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Harmonic Current Test Result Summary (Run time)

25 A 228.9V Freq = 50.000 Range: Urms = 1.448 Irms = 5.994A lpk = 8.679A 1369W 1372VA pf ~= 0.998 S

THDi = 2.10 % THDu = 2.40 % Class A

Test - Time: 3min (100 %)

Test aborted, Result: PASSED

Orde	r Freq.	lavg	lavg%L	Irms	Irms%	Irms%L	lmax	lmax%L	Limit
	Status								
	🌕 [Hz] 🖹	[A]	[%]	[A]Anba	[%]	[%]	[A]	[%]	[A]
1	50	5.6766		5.9845	99.847		5.9845		
2	100	0.0000	0.0000	0.0076	0.1273	0.7064	0.0092	0.8477	1.0800
3	150	0.1225	5.3253	0.1190	1.9857	5.1747	0.1297	5.6391	2.3000
4	200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.3549	0.4300
15 tek	250	0.0000	0.0000	0.0137	0.2291	1.2046	0.0214	1.8739	1.1400
6	300	0.0000	0.0000	0.0076	0.1273	2.5431	0.0076	2.5431	0.3000
Zupon	350	0.0000	0.0000	0.0153	0.2546	1.9817	0.0137	1.7835	0.7700
8	400	0.0000	0.0000	0.0015	0.0255	0.6634	0.0031	1.3269	0.2300
9 Ant	450	0.0000	0.0000	0.0137	0.2291	3.4332	0.0168	4.1962	0.4000
10	500	0.0000	0.0000	0.0015	0.0255	0.8293	0.0031	1.6586	0.1840
11	550	0.0000	0.0000	0.0092	0.1527	2.7743	0.0092	2.7743	0.3300
12	600	0.0000	0.0000	0.0015	0.0255	0.9951	0.0031	1.9903	0.1533
13	650	0.0000	0.0000	0.0031	0.0509	1.4532	0.0046	2.1798	0.2100
14	700	0.0000	0.0000	0.0015	0.0255	1.1610	0.0031	2.3220	0.1314
15	750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.0173	0.1500
16	800	0.0000	0.0000	0.0015	0.0255	1.3269	0.0015	1.3269	0.1150
17 %	850 🕅	0.0000	0.0000	0.0015	0.0255	1.1529	0.0031	2.3058	0.1324
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.4927	0.1022
19	950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.2885	0.1184
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.6586	0.0920
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.4242	0.1071
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.8244	0.0836
23	1150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.5598	0.0978
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.9903	0.0767
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.6954	0.0900
26 00°	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	2.1561	0.0708
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.8311	0.0833
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	2.3220	0.0657
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.9667	0.0776
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	2.4878	0.0613
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0726
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0575
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0682
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0577
		000 0.000			0.0000	0.0000	0.0000	0.0460	potek

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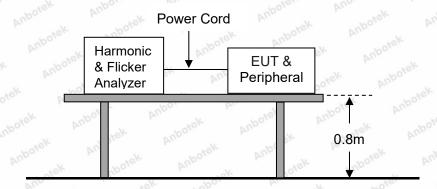
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10. Voltage Fluctuations & Flicker Test

10.1. Test Standard

A Clar	200	100	No.		V. L. L.	and the	60
Te	st Standard:		EN 61000-3-3	Anbo	Anborek	Anbore	Arr.

10.2. Test Setup



10.3. Test Procedure

The table-top EUT is placed on the top of a wooden table 0.8 m above the ground (0.8 m for the floor-standing EUT) and operated to produce the most unfavorable sequence of voltage changes under normal conditions during the flicker measurement. The observation period for short-term flicker indicator is 10 minutes and the observation period for long-term flicker indicator is 2 hours.

10.4. Test Results

PASS

The test curves are shown in the following pages.

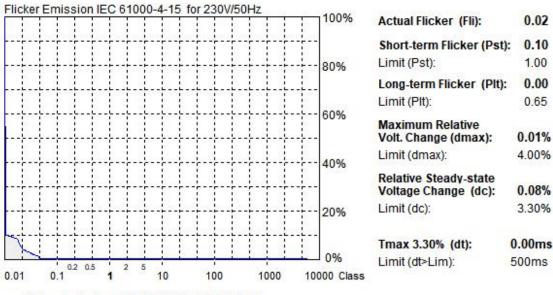






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Flicker Test Summary (Run time)



Flicker Emission - IEC 61000-3-3, EN 61000-3-3

Range: 25 A P = 229 1 1376 Urms = V-nom: 230 V Irms = 6.006 pf = 1.000

Test aborted, Result: PASSED

HAR-1000 EMC-Partner

0.02

1.00

0.00

0.65

Full Bar : Actual Values **Empty Bar : Maximum Values** Circles : Average Values

Blue: Current, Green: Voltage, Red: Failed

Freq = Urms = 229.1V 50.000 25 A Range: 6.006A 8.752A 1.457 Irms = lpk cf 1376W S 1376VA pf 1.000

 $10 \times 1 \text{min} = 10 \text{min} (100 \%)$ Test - Time : N

LIN (Line Impedance Network): No LIN

Limits: Plt 0.65 Pst : 1.00

4.00 % dmax: dc : 3.30 % 3.30 % dtLim: 500ms dt>Lim:

Test aborted, Result: PASSED

dt>Lim dmax dc [ms] [%] [%] 0.000 0.000 0.000

> Code: AB-EMC-02-c Hotline 400-003-0500 www.anbotek.com.cn





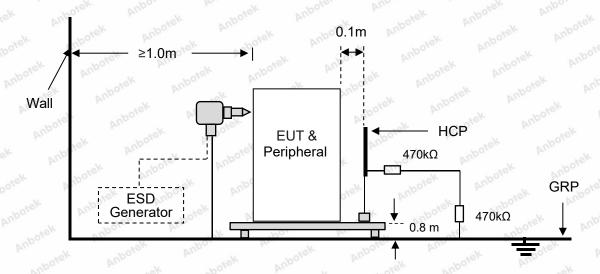
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11. Electrostatic Discharge Immunity Test

11.1. Test Specification

Test Standa	rd :	EN IEC	55014-2	'po otek	nbotek	Anbore	Vun.
Basic standa	ard :	IEC 610	00-4-2: 20	08	Anbotek	Anbors	r bir.
Performance	e criteria:	Bek	Aupoter -k	Ann Polek	Anbotek	Anbo	*ek
Test Level :		± 8kV (A	Air Dischar	ge)	± 4kV (Cor	ntact Discha	rge)

11.2. Test Setup



11.3. Test Procedure

a. In the case of air discharge testing, the climatic conditions shall be within the following ranges:

- Ambient temperature: 15°C to 35°C;

- Relative humidity: 30% to 60%;

- Atmospheric pressure: 86 kPa (860 mbar) to 106 kPa (1060 mbar)

b. In the case of contact discharges, the tip of the discharge electrode shall touch the EUT before the discharge switch is operated.

c. In the case of painted surface covering a conducting substrate, the following procedure shall be adopted: - If the coating is not declared to be an insulating coating by the equipment manufacturer, then the pointed tip of the generator shall penetrate the coating so as to make contact with the conducting substrate. - Coating declared as insulating by the manufacturer shall only be submitted to the air discharge. - The contact discharge test shall not be applied to such surfaces.

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- d. In the case of air discharges, the round discharge tip of the discharge electrode shall be approached as fast as possible (without causing mechanical damage) to touch the EUT. After each discharge, the ESD generator (discharge electrode) shall be removed from the EUT. The generator is then retriggered for a new single discharge. This procedure shall be repeated until the discharges are completed. In the case of an air discharge test, the discharge switch, which is used for contact discharge, shall be closed.
- e. The test voltage shall be increased from the minimum to the selected test severity level, in order to determine any threshold of failure. The final test level should not exceed the product specification value in order to avoid damage to the equipment.
- f. The test shall be performed with both air discharge and contact discharge. The test shall be performed with single discharges. On each pre-selected point at least 10 single discharges (in the most sensitive polarity) shall be applied. For the time interval between successive single discharges an initial value of 1 s is recommended. Longer intervals may be necessary to determine whether a system failure has occurred.
- g. Ensure that the applied charge on the EUT has been dis-charged before next ESD pulse.

11.4. Test Results

PASS

Please refer to the following page.







Electrostatic Discharge Test Results

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Test Result:	⊠ Pass □ Fail	Temperature:	23.3℃
Power Supply:	AC 230V, 50Hz	Humidity:	50%
en Ann otek Anbr	otek Pupo, Mr.	botek Anboten Ann	otek Anbotek An
Anbotek Anbotek Lo	ocation	Kind A-Air Discharge C-Contact Discharg	-01
Air discharge: ±2.0 kV, ±4	I.0 kV, ±8.0 kV	Contact discharge: ±	4.0 kV
Slot Anborek Anbore	4 points	otek Anbotek A Anbot	⊠A □B □C
Light	4 points	Anbotek Anbotek Anh	⊠A □B □C
Button	4 points	Anborek Anborek	⊠A □B □C
Screen	4 points	Aupotek Aupotek	⊠A □B □C
HCP Anbotek Anbons	4 points	atek Anbotek C Anbote	⊠A □B □C
VCP of the front	4 points	anbotek Anbotek Anb	⊠A □B □C
VCP of the rear	4 points	Aupotek Aupote	⊠A □B □C
VCP of the left	4 points	Anbotek C Anbotek	⊠A □B □C
VCP of the right	4 points	Anbotek C Anbotel	⊠A □B □C
tek Anbore And	otek Anbotek Anb	nbotek Anbotek Anbr	Potsk Aupotek V
Note: N/A	Anbotek Anbo.	abotek Anbote A	hotek Anbotek

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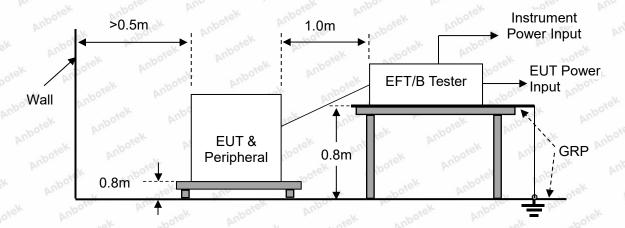
12. Electrical Fast Transient/Burst Immunity Test

12.1. Test Specification

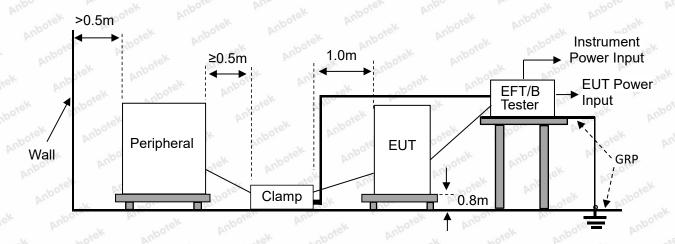
400	K PO. K. PO.
Test Standard:	EN IEC 55014-2
Basic standard:	IEC 61000-4-4: 2012
Performance criteria:	B Amborek Anborek Anborek Anborek Anborek
Test Level:	□ 1 kV, AC mains power ports
	☐ 0.5 kV, DC network power ports
	□ 0.5 kV, Signal ports,control ports,wired network ports

12.2. Test Setup

AC mains power ports and DC network power ports:



Analogue/digital data ports:





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12.3. Test Procedure

The table-top EUT is placed on a table that is 0.8 m height, a ground reference plane is placed on the table, and uses 0.1 m insulation between the EUT and ground reference plane. The floor-standing EUT is placed on a ground reference plane and insulated from it by an insulating support with a thickness of 0.1 m. This reference ground plane shall project beyond the EUT by at least 0.8 m on all sides and the minimum distance between EUT and all other conductive structure, except the ground plane beneath the EUT, shall be more than 0.5 m.

All cables to the EUT shall be placed on the insulation support 0.1 m above the ground reference plane. Cables not subject to electrical fast transients shall be routed as far as possible from the cable under test to minimize the coupling between the cables.

12.4. Test Results

PASS

Please refer to the following page.





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Electrical Fast Transient/Burst Test Results

Test Result:	⊠ Pass □	Fail	Temperatu	ure:	23.6℃	otek	Anbotek
Power Supply:	AC 230V, 50Hz	Z Aupote.	Humidity:		50%		
lek Aupo, k	botek Anbotes	AUD	-re/-	nbotek Ant	-/r	No.	K AN
Ports	Polarity	Inject ⁻	Γime(s)	Test Voltage	(kV)	Resi	ult
⊠ AC mains power ports	And totak	12	0 s Anbor	1.0 kV	k Aup	⊠A □E	в □С
☐ DC network power ports	potek ± Anbotek	12	0 s	0.5 kV	otek obotek	□A □E	3 □C
☐ Signal ports,control ports,wired network ports	Anboten Anbo Anbotek Ar	12	0 s	0.5 kV	Anbotek Anbotek	□A □E	3 🗆 C
Note: N/A	k Anbotek	Anbotek	ak Anbo	otek Anbotel	rek A	botek	Anbote





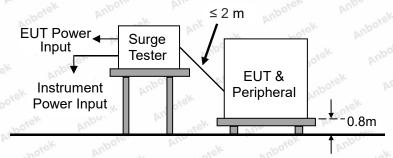
Report No.:18250EC30050401 Page 44 of 63

13. Surge Immunity Test

13.1. Test Specification

4-	Test Standard:	EN IEC 55014-2
	Basic standard:	IEC 61000-4-5: 2014+A1:2017
AC power port:		⊠ 1 kV, Line to Line, Criterion B
· .	AC power port:	⊠ 2kV, Line to Ground, Criterion B
Test level	DC power port:	□ 0.5kV, Line to Ground, Criterion B
icvci	Shielded port or Line:	□ 0.5kV, Shield to Ground, Criterion B
	Unshielded port or Line:	□ 0.5kV, Line to Ground, Criterion B
Numb	per of surges	5 (for each combination of parameters)
Repet	tition rate	1 minute / time
Polari	ty:	Positive / Negative
Phase	e angle:	90°, 270°

13.2. Test Setup



13.3. Test Procedure

Table-top EUT is placed on a table of 0.8 m heights above a metal ground reference plane. Floor standing EUT is placed on a ground reference plane and insulated from it by an insulating support with a thickness of 0.8 m. The length of the power cord between the EUT and the coupling/decoupling network is not more than 2 m, and the length of the interconnection line between the EUT and the coupling/decoupling network is not more than 2 m. The tests were done at repetition rate 1 per minute.

13.4. Test Results

PASS

Please refer to the following page.







Page 45 of 63

Surge Immunity Test Results

Test Result:	⊠ Pass	s 🗌 Fail	Temperature :	Anbotek	23.6℃	
Power Supply :	AC 230\	V, 50Hz	Humidity :	Anbore	50%	potek Anbo
lek Vupore	hotek	Anbotes Anbo	tek spotek	Anb	9/2	hotek Ar
Location	Polarity	Phase Angle	Number of Pulse		√oltage V)	Result
	t (Waveform: 1.	2 us / 50 us (8 us	s / 20us))			
Anbotek	Anbotek Anbo	□ 0° ⊠ 90° □ 180° □ 270°	5	0.5,	1kV	⊠A□B□C
Anbotek	Anbatek Anbatek	☐ 0° ☐ 90° ☐ 180° ☐ 270°	potek 5 Anbotek	0.5,	1kV	⊠A□B□C
Anbotek L-GND	otek Aupotek	☐ 0°	Anbotek 5	0.5, 1	, 2kV	⊠A□B□C
L-GND AN	Anbotek - Anbote	☐ 0° ☐ 90° ☐ 180° ☐ 270°	And 5° K	0.5, 1	, 2kV	⊠A□B□C
N-GND	Anboten Ani	☐ 0° ⊠ 90° ☐ 180° ☐ 270°	5 Anbotek	0.5, 1	, 2kV	⊠A□B□C
otek N-GND	k Wootek	□ 0° □ 90° □ 180° ⋈ 270°	inbotek 5 Anbote	0.5, 1	, 2kV	⊠A□B□C
□ DC network p	ower ports (Wa	veform: 1.2 us / 5	60 us (8 us / 20us)) notek		
Ans totek	inbotek + Anbo	tek / nbotek	Anbos	0.5	ikV 🚾	□ A □ B □ C
Line to ground	Anbotek Anb	sek / spote	5	0.5	ikV	□ A □ B □ C
☐ Unshielded p	orts or lines (Wa	aveform: 1.2 us /	50 us (8 us / 20us))	otek	Anbotek Anb
ote, Pun	Arbotek	Anbo	abotek 5 Ambotes	0.5	ikV	□ A □ B □ C
Lines to ground	yek Anbotek	Amba	nbotek 5 Anbe	0.5	ikV	□A□B□C
☐ Shielded port	s or lines (Wave	eform: 1.2 us / 50	us (8 us / 20us))	upote.	PUD PO	tek Anbotek
Anbols	abotek + Anbe	yes Anbou	5°*e*	Anboro.5	ikV	□A□B□C
Shield to ground	Arrabojek A	abover Anbo	tek 5 _{nbotek}	0.5	ikV	□A□B□C
Note: N/A	Anbotek	Aupore, Viek	hbotek Anbotek	ak Ant	potek	Anbotek A





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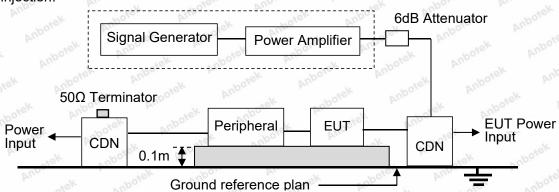
14. Injected Currents Susceptibility Test

14.1. Test Specification

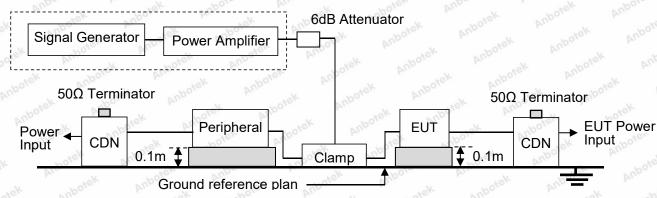
Test Standard:	EN IEC 55014-2
Basic standard:	IEC 61000-4-6: 2013
Performance criteria:	A Anborek Anborek Anborek Anborek Anborek
Frequency range:	0.15MHz-230MHz
	⊠ AC power ports: 3V/m(rms, unmodulated)
Test level:	□ DC Power Ports: 1V/m(rms, unmodulated)
	☐ Signal ports,control ports,wired network ports: 1V/m(rms, unmodulated)
Modulation:	AM 80%, 1kHz sine-wave
Frequency Step:	1% of fundamental

14.2. Test Setup

CDN injection:



Clamp injection:



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14.3. Test Procedure

- a. The EUT and peripheral are placed on an insulating support of 0.1 m height above a ground reference plan. The distance between EUT and CDN is 0.1 m to 0.3 m. All cables exiting the EUT are supported at a height of at least 30 mm above the ground reference plan.
- b. The frequency range is swept from 150 kHz to 80MHz, with the signal 80% amplitude modulated with a 1 kHz sine wave. The rate of sweep did not exceed 1.5x 10-3 decade/s. The frequency range is swept incrementally. The step size was 1% of fundamental from 0.15MHz to 80MHz.
- c. The dwell time at each frequency isn't less than the time necessary for the EUT to be able to respond.

14.4. Test Results

PASS

Please refer to the following page.







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Injected Currents Susceptibility Test Results

Test Result:	⊠ Pass ☐ Fail	Temperature:	23.6℃
Power Supply:	AC 230V, 50Hz	Humidity:	50%
ek Auporg Aur	otek Anbotek Anbe	ak abotek Ant	Ole VIII.
Frequency Range (MHz)	Injected Position	Strength (Un-modulated)	Result
0.15 ~ 230	⊠ AC Mains	Aupotek 3V Aupot	⊠A □B □C
0.15 ~ 230	☐ DC Line	1V Anborel	□А □В □С
0.15 ~ 230	☐ Signal Line	nek and	□A □B □C





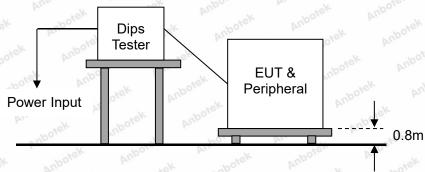
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15. Voltage Dips and Interruptions Immunity Test

15.1. Test Specification

Test Standard:	EN IEC 55014-2
Basic standard:	IEC 61000-4-11: 2020
	⊠ 0%, 0.5 period, Criterion C
	⊠ 40%, 10 periods for 50Hz, Criteria C
Test level:	☐ 40%, 12 periods for 60Hz, Criteria C
	⊠ 70%, 25 periods for 50Hz, Criteria C
	☐ 70%, 30 periods for 60Hz, Criteria C

15.2. Test Setup



15.3. Test Procedure

- a. Where the equipment has a rated voltage the following shall apply:
- If the voltage range does not exceed 20% of the lower voltage specified for the rated voltage range, a single voltage within that range may be specified as a basis for test level specification.
- In all other cases, the test procedure shall be applied for both the lowest and highest voltages declared in the voltage range.
- b. Test Conditions
- Select operated voltage and frequency of EUT Test of interval: 10 sec.
- Level and duration: Sequence of 3 dips/interrupts.
- Voltage rise (and fall) time: 1.5 μs.
- c. Changes to occur at 0 degree crossover point of the voltage waveform.

15.4. Test Results

PASS

Please refer to the following page.

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Voltage Dips and Interruptions Test Results

Test Result:	⊠ Pass ☐ Fail	Temperature :	23.6℃
Power Supply :	AC 230V, 50Hz	Humidity:	50%
lok Aupore Au	otek Anbotek Anbo	stek anbotek Anb	or Au
Test Level % UT	Voltage Dips & Short Interruptions % UT	Duration (in periods)	Result
Anbotek O Anbotek	100	0.5P	⊠A □B □C
40 Anbore	60	⊠ 10P □ 12P	⊠A □B □C
potek Ar70 tek Anb	30	⊠25P □30P	⊠A □B □C
Anbotek Anbotek	Anbotek Anbotes	Anbotek Anbotek	Anbotek Anbotek
Note: N/A	Anbotek Anbotek	Anbotek Anbotek	tek Anbotek Anbotek





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APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of Power Line Conducted Emission Test



Photo of Radiated Emission Test (Below 1 GHz)





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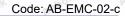




Photo of Electrostatic Discharge Immunity Test



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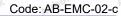
Photo of Electrical Fast Transient/Burst Immunity Test



Photo of Surge Immunity Test



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Photo of Injected Currents Susceptibility Test

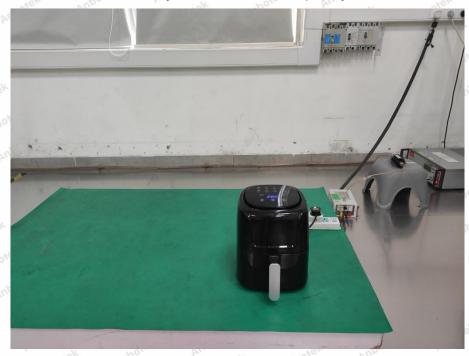
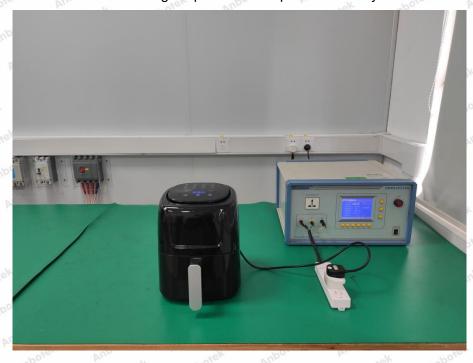


Photo of Voltage Dips and Interruptions Immunity Test









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APPENDIX II -- Photo documentation





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otek.

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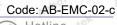


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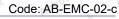


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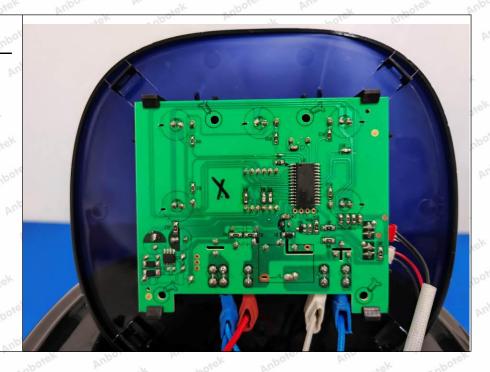


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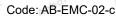




Photo 10 L-5061 Internal



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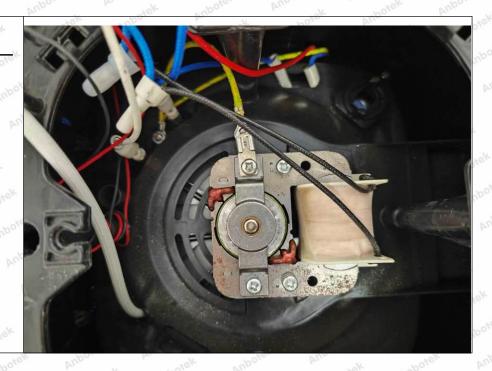


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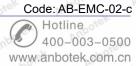
Photo 11 L-5061 Internal



Photo 12 L-5061 Internal



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Photo 13 L-5061 Internal





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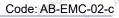
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Photo 15 L-5060



Photo 16 L-5060S











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CE Label

- The CE conformity marking must consist of the initials 'CE' taking the following form:
 If the CE marking is reduced or enlarged, the proportions given in the above graduated drawing must be respected.
- The CE marking must have a height of at least 5 mm except where this is not possible on account of the nature of the apparatus.
- The CE marking must be affixed to the product or to its data plate. Additionally it must be affixed to the packaging, if any, and to the accompanying documents.
- 4. The CE marking must be affixed visibly, legibly and indelibly.

 It must have the same height as the initials 'CE'.

----- End of Report -----





CERTIFICATE

Of Conformity Low Voltage Directive 2014/35/EU

Registration No.: AT18250SC300381

Report No.: 18250SC30038101

Applicant Jiangmen Yueling Electric Appliance Co., Ltd

> 5th Floor, Building 3, No. 4, Miaogangfang, Tangxi, Hetang Town, Pengjiang District, Jiangmen City, Guangdong, China

Product The air fryer

Identification Model No. L-5061S, L-5060, L-5060S, L-5061

> **Trade Mark** N.A.

Rating AC220-240V~, 50-60Hz, 1350W

Test Standards EN 60335-1:2012+A11:2014+A13:2017+A1:2019

+A14:2019+A2:2019+A15:2021

EN 60335-2-9:2003+A1:2004+A2:2006+A12:2007

+A13:2010 EN 62233:2008

The certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical report and documentation are at the applicant's disposal. This is to certify that the tested sample is in conformity with Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. The certificate does not imply assessment of the seriesproduction of the product. The applicant of the certificate is authorized to use this certificate in connection with EU declaration of conformity specified in Article 15 and Annex IV of the Directive.

Jun. 09, 2023

Date



Certified by

Jeff Zhu



The CE Marking may only be used if all relevant and effective EU Directives are complied with



Shenzhen Anbotek Compliance Laboratory Limited

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518128 Tel: (86)755-26066440 Fax: (86)755-26014772 Http://www.anbotek.com Email:service@anbotek.com









CERTIFICATE

Of Conformity
EU Council Directive 2014/30/EU
Electromagnetic Compatibility

Registration No.: AT18250EC300504

Report No.: 18250EC30050401

Applicant: Jiangmen Yueling Electric Appliance Co., Ltd

5th Floor, Building 3, No. 4, Miaogangfang, Tangxi, Hetang Town,

Pengjiang District, Jiangmen City, Guangdong, China

Product: The air fryer

Identification: Test Model No.: L-5061

Reference Model No.: L-5060, L-5060S, L-5061S

Trade Mark: N.A.

Rating: 220-240V~ 50/60Hz 1350W

Test Standards: EN IEC 55014-1: 2021

EN IEC 61000-3-2: 2019+A1:2021 EN 61000-3-3: 2013+A1:2019+A2:2021

EN IEC 55014-2: 2021

The certificate of conformity is based on an evaluation of a sample of the above-mentioned product. Technical report and documentation are at the applicant's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex II of Council Directive 2014/30/EU, in its latest amended version, referred to EMC Directive. The certificate does not imply assessment of the production and does not permit the use of Lab's logo. The applicant of the certificate is authorized to use this certificate in connection with EU declaration of conformity to Article 15 of the Directive.

Jun. 12, 2023



Certified by

KingKong Jin

CE

The CE Marking may only be used if all relevant and effective EU Directives are complied with

Shenzhen Anbotek Compliance Laboratory Limited

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518128

Tel: (86)755-26066440 Fax: (86)755-26014772

Http://www.anbotek.com Email: service@anbotek.com





Test Report

Applicant : Jiangmen Yueling Electric Appliance Co., Ltd

5th Floor, Building 3, No. 4, Miaogangfang,

Address : Tangxi, Hetang Town, Pengjiang District,

Jiangmen City, Guangdong, China

Product Name: The air fryer

Report Date : Jun. 09, 2023

Shenzhen Anbotek Approved * Appro







TEST REPORT

Report No.: 18250SC30038101

IEC 60335-2-9 Safety of household and similar electrical appliances Part 2: Particular requirements for grills, toasters and similar cooking

appliances

Report Number.....: 18250SC30038101

Date of issue....: Jun. 09, 2023

Total number of pages 144 pages

Name of Testing Laboratory

preparing the Report Shenzhen Anbotek Compliance Laboratory Limited

Address.....: 5th Floor, Building 3, No. 4, Miaogangfang, Tangxi, Hetang Town,

Pengjiang District, Jiangmen City, Guangdong, China

Test specification:

Standard: IEC 60335-2-9:2019 in conjunction with IEC 60335-1:2010,

COR1:2010, COR2:2010, AMD1:2013, COR1:2014, AMD2:2016,

COR1:2016

Test procedure: Type test

Non-standard test method: N/A

General disclaimer:

The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the Issuing Testing Laboratory.

Tested by (name, function, signature):	James Zhang Project Engineer	James 2 hang
Approved by (name, function, signature):	Jeff Zhu Project Manager	Jeff hu





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 Test item description
 :
 The air fryer

 Trade Mark
 N.A.

 Manufacturer
 :
 Jiangmen Yueling Electric Appliance Co., Ltd

 Model/Type reference
 :
 L-5061S, L-5060S, L-5061

 Ratings
 :
 AC220-240V~, 50-60Hz, 1350W

List of Attachments

Attachment 1: EU difference

Attachment 2: Photo documentation

Summary of testing:

Tests performed (name of test and test clause):

EN 60335-1:2012+A11:2014+A13:2017+A1:2019 +A14:2019+A2:2019+A15:2021

EN 60335-2-9:2003+A1:2004+A2:2006+A12:2007 +A13:2010

EN 62233:2008

The samples submitted were found to comply with above standards.

Testing location:

Shenzhen Anbotek Compliance Laboratory Limited 1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518128





Copy of mark plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

Vier	310	The air fryer	Ho.
Mode	L-5061S	Rated Voltage	220V-240V~
Rated Power	1350W	Rated Frequency	50-60Hz

		The air fryer	
Mode	L-5061	Rated Voltage	220V-240V~
Rated Power	1350W	Rated Frequency	50-60Hz

		The air fryer	
Mode	L-5060	Rated Voltage	220V-240V~
Rated Power	1350W	Rated Frequency	50-60Hz

	Lotek	The air fryer	
Mode	L-5060S	Rated Voltage	220V-240V~
Rated Power	1350W	Rated Frequency	50-60Hz





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Test item particulars:	
Classification of installation and use:	Portable appliances
Supply Connection:	Type Y
Andrek Anbo, Andrek	
Possible test case verdicts:	Anbotes, Anbotek Anbotek
- test case does not apply to the test object:	N (N.A.)
- test object does meet the requirement:	P (Pass)
- test object does not meet the requirement:	F (Fail)
Testing	tek abotek Anbote Anotek
Date of receipt of test item:	May. 25, 2023
Date (s) of performance of tests:	May. 25, 2023 to Jun. 05, 2023
General remarks:	Anbores Anb
"(See Enclosure #)" refers to additional information ap "(See appended table)" refers to a table appended to the	
Throughout this report a \square comma / \boxtimes point is u	sed as the decimal separator.
nbotek Anbotek Anbotek Anbotek	anbotek Anbotek Anbotek Anbotek
Name and address of factory (ies):	Jiangmen Yueling Electric Appliance Co., Ltd
	No.2, Lane 3, Miaogangfang, Tangxi, Zhongxing 1st Road, Hetang Town, Pengjiang District, Jiangmen City, Guangdong, China





Anborek Anborek Anborek Anborek Anborek				
Clause	Requirement + Test	Result - Remark	Verdict	
otek p	urg K Tolek Wupoup, Wup	"upotek Vupo. "K	notek	
5	GENERAL CONDITIONS FOR THE TESTS		- Otok	
Anbotek	Tests performed according to clause 5, e.g. nature of supply, sequence of testing, etc.	A.C.	Anbore	
5.2 Anbore	See Note (IEC 60335-2-9)	otek Aupora K Pur	-Anb	
5.3 Anbo	If it is evident from the construction of the appliance that the test of one function will produce more favourable results than another, this function is not tested. (IEC 60335-2-9)	Anbotek Anbotek Anbotek Anbot	botek	
5.6 Anbotek	If two or more cooking functions can be performed simultaneously, they are tested at the same time. (IEC 60335-2-9)	Anbotek Anbotek	Anbotol	
5.101 Anbor	Induction hotplates are operated as specified for motor-operated appliances. Other appliances are tested as specified for heating appliances, even if they incorporate motors (IEC 60335-2-9)	hek Anbotek Anbotek Anbotek	P Anb	
Aupotek Valousek	In appliances that incorporate induction hotplates in addition to other heating elements, the induction hotplates are operated simultaneously and supplied separately (IEC 60335-2-9)	Anbotek Anbotek Ant	Anbotek Anbotek	
6	CLASSIFICATION		Pulp c	
6.1 Anbo	Protection against electric shock: Class 0, 0I, I, II, III	Class I	PA	
6.2	Protection against harmful ingress of water	Anbe tek anbotek Anb	N	
anbotek	Appliances intended for outdoor use shall be at least IPX4 (IEC 60335-2-9)	Anbotek Anbotek	nborek	
7	MARKING AND INSTRUCTIONS		- 100 by	
7.1 _{Nabote}	Rated voltage or voltage range (V):	220-240V	P	
/k ~/p	Symbol for nature of supply, or:	Dor A shotek Anbore	V P	
-K	Rated frequency (Hz):	50-60Hz	Р	
Ogre, b	Rated power input (W), or:	1350W	Notek P	
Vupote.	Rated current (A)	Anborer And Lotek	AUPVIER	
Anboten	Manufacturer's or responsible vendor's name, trademark or identification mark	Jiangmen Yueling Electric Appliance Co., Ltd	A.Poot	
k 20'	Model or type reference:	See page 3	P	
-V-	Symbol IEC 60417-5172, for class II appliances	rupose Yupo	N	
ore b	IP number, other than IPX0	Aupores, Prup	poter N	

Shenzhen Anbotek Compliance Laboratory Limited

unless





N

Symbol IEC 60417-5180, for class III appliances,

the appliance is operated by batteries only



Symbol IEC 60417-5018, for class II and class III appliances incorporating a functional earth The rated power input or rated current of induction hotplates shall also be marked (IEC 60335-2-9) Appliances intended to be partially immersed in water for cleaning shall be marked with the maximum level of immersion and the substance of the following: Do not immerse beyond this level (IEC 60335-2-9) If cookers, portable ovens and rotary grills have accessible metal surfaces, other than working surfaces, that have a temperature rise exceeding 90 K during the test of Clause 11, they shall be marked with symbol IEC 60417-5041(2002-10), the rules of ISO 3864-1 applying except for the specified colours, or with the substance of the following: Hot surface		IEC 60335-2-9		
appliances incorporating a functional earth The rated power input or rated current of induction hotplates shall also be marked(IEC 60335-2-9) Appliances intended to be partially immersed in water for cleaning shall be marked with the maximum level of immersion and the substance of the following: Do not immerse beyond this level (IEC 60335-2-9) If cookers, portable ovens and rotary grills have accessible metal surfaces, other than working surfaces, that have a temperature rise exceeding 90 K during the test of Clause 11, they shall be marked with symbol IEC 60417-5041(2002-10), the rules of ISO 3864-1 applying except for the specified colours, or with the substance of the following: Hot surface	Clause	Requirement + Test	Result - Remark	Verdict
appliances incorporating a functional earth The rated power input or rated current of induction hotplates shall also be marked(IEC 60335-2-9) Appliances intended to be partially immersed in water for cleaning shall be marked with the maximum level of immersion and the substance of the following: Do not immerse beyond this level (IEC 60335-2-9) If cookers, portable ovens and rotary grills have accessible metal surfaces, other than working surfaces, that have a temperature rise exceeding 90 K during the test of Clause 11, they shall be marked with symbol IEC 60417-5041(2002-10), the rules of ISO 3864-1 applying except for the specified colours, or with the substance of the following: Hot surface	oter p	no k hotek Anbor An tek	anbotes Anbo	notek
hotplates shall also be marked (IEC 60335-2-9) Appliances intended to be partially immersed in water for cleaning shall be marked with the maximum level of immersion and the substance of the following: Do not immerse beyond this level (IEC 60335-2-9) If cookers, portable ovens and rotary grills have accessible metal surfaces, other than working surfaces, that have a temperature rise exceeding 90 K during the test of Clause 11, they shall be marked with symbol IEC 60417-5041(2002-10), the rules of ISO 3864-1 applying except for the specified colours, or with the substance of the following: Hot surface	Anbotek		Aupotek Aupotek M	Aupor NK
water for cleaning shall be marked with the maximum level of immersion and the substance of the following: Do not immerse beyond this level (IEC 60335-2-9) If cookers, portable ovens and rotary grills have accessible metal surfaces, other than working surfaces, that have a temperature rise exceeding 90 K during the test of Clause 11, they shall be marked with symbol IEC 60417-5041(2002-10), the rules of ISO 3864-1 applying except for the specified colours, or with the substance of the following: Hot surface			tek upotek Aupotek	Mote
(IEC 60335-2-9) If cookers, portable ovens and rotary grills have accessible metal surfaces, other than working surfaces, that have a temperature rise exceeding 90 K during the test of Clause 11, they shall be marked with symbol IEC 60417-5041(2002-10), the rules of ISO 3864-1 applying except for the specified colours, or with the substance of the following: Hot surface	otek Anbe	water for cleaning shall be marked with the maximum level of immersion and the substance of	Not for such use	Potek N
If cookers, portable ovens and rotary grills have accessible metal surfaces, other than working surfaces, that have a temperature rise exceeding 90 K during the test of Clause 11, they shall be marked with symbol IEC 60417-5041(2002-10), the rules of ISO 3864-1 applying except for the specified colours, or with the substance of the following: Hot surface		Do not immerse beyond this level	abotek Anbo	potek.
accessible metal surfaces, other than working surfaces, that have a temperature rise exceeding 90 K during the test of Clause 11, they shall be marked with symbol IEC 60417-5041(2002-10), the rules of ISO 3864-1 applying except for the specified colours, or with the substance of the following: Hot surface		(IEC 60335-2-9)	Anboter Anboter	And
Symbol IEC 60417-5036, for the enclosure of electrically-operated water valves in external hosesets for connection of an appliance to the water mains, if the working voltage exceeds extra-low voltage 7.2 Warning for stationary appliances for multiple supply Warning placed in vicinity of terminal cover N Range of rated values marked with the lower and upper limits separated by a hyphen Different rated values marked with the values separated by an oblique stroke N Appliances adjustable for different rated voltages or rated frequencies, the voltage or the frequencies setting is clearly discernible Requirement met if frequent changes are not required and the rated voltage to which the appliance is to be adjusted is determined from a wiring diagram 7.5 Appliances with more than one rated voltage or one or more rated voltage ranges, marked with rated input or rated current for each rated voltage or range, unless the power input is related to the arithmetic mean	Anbotek Anbotek Anbotek	accessible metal surfaces, other than working surfaces, that have a temperature rise exceeding 90 K during the test of Clause 11, they shall be marked with symbol IEC 60417-5041(2002-10), the rules of ISO 3864-1 applying except for the specified colours, or with the substance of the	tek Anbotek Anbotek Japotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	ArP Anbo ek Ar otek
electrically-operated water valves in external hosesets for connection of an appliance to the water mains, if the working voltage exceeds extra-low voltage 7.2 Warning for stationary appliances for multiple supply Warning placed in vicinity of terminal cover 7.3 Range of rated values marked with the lower and upper limits separated by a hyphen Different rated values marked with the values separated by an oblique stroke 7.4 Appliances adjustable for different rated voltages or rated frequencies, the voltage or the frequencies setting is clearly discernible Requirement met if frequent changes are not required and the rated voltage to which the appliance is to be adjusted is determined from a wiring diagram 7.5 Appliances with more than one rated voltage or one or more rated voltage ranges, marked with rated input or rated current for each rated voltage or range, unless the power input is related to the arithmetic mean		Hot surface (IEC 60335-2-9)	Anbotek Anbo	abotek
Supply Warning placed in vicinity of terminal cover N Range of rated values marked with the lower and upper limits separated by a hyphen Different rated values marked with the values separated by an oblique stroke N Appliances adjustable for different rated voltages or rated frequencies, the voltage or the frequencies setting is clearly discernible Requirement met if frequent changes are not required and the rated voltage to which the appliance is to be adjusted is determined from a wiring diagram Appliances with more than one rated voltage or one or more rated voltage ranges, marked with rated input or rated current for each rated voltage or range, unless the power input is related to the arithmetic mean		electrically-operated water valves in external hose- sets for connection of an appliance to the water mains, if the working voltage exceeds extra-low	ootek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N Anbot An
7.3 Range of rated values marked with the lower and upper limits separated by a hyphen Different rated values marked with the values separated by an oblique stroke 7.4 Appliances adjustable for different rated voltages or rated frequencies, the voltage or the frequencies setting is clearly discernible Requirement met if frequent changes are not required and the rated voltage to which the appliance is to be adjusted is determined from a wiring diagram 7.5 Appliances with more than one rated voltage or one or more rated voltage ranges, marked with rated input or rated current for each rated voltage or range, unless the power input is related to the arithmetic mean	7.2		Anbotek Anbotek	nboteN
upper limits separated by a hyphen Different rated values marked with the values separated by an oblique stroke 7.4 Appliances adjustable for different rated voltages or rated frequencies, the voltage or the frequencies setting is clearly discernible Requirement met if frequent changes are not required and the rated voltage to which the appliance is to be adjusted is determined from a wiring diagram 7.5 Appliances with more than one rated voltage or one or more rated voltage ranges, marked with rated input or rated current for each rated voltage or range, unless the power input is related to the arithmetic mean	Aup	Warning placed in vicinity of terminal cover	Anti-	AnbN.
separated by an oblique stroke 7.4 Appliances adjustable for different rated voltages or rated frequencies, the voltage or the frequencies setting is clearly discernible Requirement met if frequent changes are not required and the rated voltage to which the appliance is to be adjusted is determined from a wiring diagram 7.5 Appliances with more than one rated voltage or one or more rated voltage ranges, marked with rated input or rated current for each rated voltage or range, unless the power input is related to the arithmetic mean	7.3 Ambor		otek Anbotek Anbotek	Ploor
or rated frequencies, the voltage or the frequencies setting is clearly discernible Requirement met if frequent changes are not required and the rated voltage to which the appliance is to be adjusted is determined from a wiring diagram 7.5 Appliances with more than one rated voltage or one or more rated voltage ranges, marked with rated input or rated current for each rated voltage or range, unless the power input is related to the arithmetic mean	rek Ant		Anbotek Anbotek Anbo	N N
required and the rated voltage to which the appliance is to be adjusted is determined from a wiring diagram 7.5 Appliances with more than one rated voltage or one or more rated voltage ranges, marked with rated input or rated current for each rated voltage or range, unless the power input is related to the arithmetic mean	7.4	or rated frequencies, the voltage or the frequencies	Anbotek Anbotek A	Anbotek Anbotek
one or more rated voltage ranges, marked with rated input or rated current for each rated voltage or range, unless the power input is related to the arithmetic mean	Anbote Anbote	required and the rated voltage to which the appliance is to be adjusted is determined from a	otek Anbotek Anbotek botek Anbotek Anbotek	Anb
	7.5	one or more rated voltage ranges, marked with rated input or rated current for each rated voltage	Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
	Anbore		tek Anbotek Anbotek	A/Pore

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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
poter	And K botek Anbors An tek	abotes And	notek
Anbotek	Relation between marking for upper and lower limits of rated power input or rated current and voltage is clear	Anbotek Anbotek Anbotek	Anbore
7.6 Mbote	Correct symbols used	tek upotek Aupor	P
k Aup	Symbol for nature of supply placed next to rated voltage	nbotek Anbotek Anbot	P P
otek p	Symbol for class II appliances placed unlikely to be confused with other marking	Anbotek Anbotek An	ootekN
Anborek	Units of physical quantities and their symbols according to international standardized system	Anbotek Anbotek	Anborel
7.7 Anbole	Connection diagram fixed to appliances to be connected to more than two supply conductors and appliances for multiple supply, unless	tek Anbotek Anbotek	N ho
otek A	correct mode of connection is obvious	anbotek Anbote All	otek N
7.8	Except for type Z attachment, terminals for connecti indicated as follows:	on to the supply mains	inpotek.
Anborek	- marking of terminals exclusively for the neutral conductor (letter N)	ak Anbotek Anbotek	An Nie
Anbo	- marking of protective earthing terminals (symbol IEC 60417-5019)	botek Anbotek Anbote	P
hotek Ar	- marking of functional earthing terminals (symbol IEC 60417-5018)	Anbotek Anbotek Anb	otek N
, otek	- marking not placed on removable parts	And stek Anbotek A	N.k
7.9	Marking or placing of switches which may cause a	Ario ak abotek	Aupore.

Shanzhan	Anhotek	Compliance	ahoratory	limited
SHEHZHEH	AIIDULEK	Compliance	Labulatuiv	Limiteu

maintenance

figure 0

7.11

7.12



Figures and letters were used,

see photo documentation for

details



Р

P

N

Ν

Р

The instructions state that:

Indications of switches on stationary appliances

and controls on all appliances by use of figures,

This applies also to switches which are part of a

letters or other visual means:

If figures are used, the off position indicated by the

The figure 0 indicates only OFF position, unless no

Indication for direction of adjustment of controls

Details concerning precautions during user

confusion with the OFF position

Instructions for safe use provided



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The instructions for appliances incorporating a functional earth states that the appliance is nestrous for appliance is nestroined in substance: Appliance with inlet and intended to be immersed for cleaning, instruction sheet including in substance: Appliance with inlet and intended to be immersed for cleaning, instruction sheet including in substance: Appliance with size for appliances intended to be used with a connector must be used Instructions for use for appliances intended to be used with removed and first papilance with size for suppliance is only to be used with the unit provided Instructions for class III appliances state that it must only be supplied at SELV, unless It is a battery-operated appliance, the battery being charged outside the appliance, the battery being charged outside the appliance. For appliances for altitudes exceeding 2000 m, the maximum altitude is stated. The instructions for appliances incorporating a functional earth states that the appliance incorporates an earth connection for functional purposes only Appliance with inlet and intended to be immersed for cleaning, instruction sheet including in substance: (IEC 60335-2-9) - remove connector before re-use The instructions for use for appliances intended to be used with a connector incorporating a thermostat shall state that only the appropriate connector must be used (IEC 60335-2-9) Instructions for appliances for outdoor use - The appliance is suitable for outdoor use - The appliance must not be used - The appliance must be supplied through a residual operating current not exceeding 30mA - The appliance is to be connected to a socket-outlet having an earthing contact (class I)	IEC 60335-2-9			
(including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction - children being supervised not to play with the appliance For a part of class III construction supplied from a detachable power supply unit, the instructions state that the appliance is only to be used with the unit provided Instructions for class III appliances state that it must only be supplied at SELV, unless It is a battery-operated appliance, the battery being charged outside the appliance For appliances for attitudes exceeding 2000 m, the maximum altitude is stated	Clause	Requirement + Test	Result - Remark	Verdict
(including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction - children being supervised not to play with the appliance For a part of class III construction supplied from a detachable power supply unit, the instructions state that the appliance is only to be used with the unit provided Instructions for class III appliances state that it must only be supplied at SELV, unless It is a battery-operated appliance, the battery being charged outside the appliance For appliances for attitudes exceeding 2000 m, the maximum altitude is stated	oter p	upp k potek Aupois All tek	And And	potek
appliance For a part of class III construction supplied from a detachable power supply unit, the instructions state that the appliance is only to be used with the unit provided Instructions for class III appliances state that it must only be supplied at SELV, unless it is a battery-operated appliance, the battery being charged outside the appliance end outside the appliance. For appliances for altitudes exceeding 2000 m, the maximum altitude is stated		(including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anborek Anbore
detachable power supply unit, the instructions state that the appliance is only to be used with the unit provided Instructions for class III appliances state that it must only be supplied at SELV, unless it is a battery-operated appliance, the battery being charged outside the appliance For appliances for allitudes exceeding 2000 m, the maximum altitude is stated	k Aupo		Upotek Vupoter Vupot	» P
it is a battery-operated appliance, the battery being charged outside the appliance For appliances for altitudes exceeding 2000 m, the maximum altitude is stated	nbotek Anbotek	detachable power supply unit, the instructions state that the appliance is only to be used with the	Anbotek Anbotek An	Anbotek
charged outside the appliance For appliances for altitudes exceeding 2000 m, the maximum altitude is stated	Anbotek		tek Anbotek Anbotek	N Anbr
maximum altitude is stated	tek And		ibotek Anbotek Anbote	N A
functional earth states that the appliance incorporates an earth connection for functional purposes only Appliance with inlet and intended to be immersed for cleaning, instruction sheet including in substance:	botek		Not exceed 2000m	,nboteN
including in substance:	Anbotek Anbotek	functional earth states that the appliance incorporates an earth connection for functional	ek Anbotek Anbotek	An N re
- dry appliance inlet before re-use N The instructions for use for appliances intended to be used with a connector incorporating a thermostat shall state that only the appropriate connector must be used (IEC 60335-2-9) Instructions for appliances for outdoor use (IEC 60335-2-9): -The appliance is suitable for outdoor use N -The supply cord should be regularly examined for signs of damage, and if the cord is damages, the appliance must not be used -The appliance must be supplied through a residual current device (RDC) having a rated residual operating current not exceeding 30mA -The appliance is to be connected to a socket- N	ek Ani			stek -
The instructions for use for appliances intended to be used with a connector incorporating a thermostat shall state that only the appropriate connector must be used (IEC 60335-2-9) Instructions for appliances for outdoor use (IEC 60335-2-9): -The appliance is suitable for outdoor use N -The supply cord should be regularly examined for signs of damage, and if the cord is damages, the appliance must not be used -The appliance must be supplied through a residual current device (RDC) having a rated residual operating current not exceeding 30mA -The appliance is to be connected to a socket-	Doye.	- remove connector before cleaning	Anbore And tek	oboteN
be used with a connector incorporating a thermostat shall state that only the appropriate connector must be used (IEC 60335-2-9) Instructions for appliances for outdoor use (IEC 60335-2-9): -The appliance is suitable for outdoor use N -The supply cord should be regularly examined for signs of damage, and if the cord is damages, the appliance must not be used -The appliance must be supplied through a residual current device (RDC) having a rated residual operating current not exceeding 30mA -The appliance is to be connected to a socket-	Anbotek	- dry appliance inlet before re-use	Anbotel Anbo	Nek
-The appliance is suitable for outdoor use -The supply cord should be regularly examined for signs of damage, and if the cord is damages, the appliance must not be used -The appliance must be supplied through a residual current device (RDC) having a rated residual operating current not exceeding 30mA -The appliance is to be connected to a socket-	Anbotek Anbotek	be used with a connector incorporating a thermostat shall state that only the appropriate	ok Anbotek Anbotek Anbotek Anbotek Anbotek	N _D O [†]
-The supply cord should be regularly examined for signs of damage, and if the cord is damages, the appliance must not be used -The appliance must be supplied through a residual current device (RDC) having a rated residual operating current not exceeding 30mA -The appliance is to be connected to a socket-	18K	Instructions for appliances for outdoor use	(IEC 60335-2-9):	V-
signs of damage, and if the cord is damages, the appliance must not be used -The appliance must be supplied through a residual current device (RDC) having a rated residual operating current not exceeding 30mA -The appliance is to be connected to a socket-	20. PSK	-The appliance is suitable for outdoor use	Aupo, by apotek M.	Ipole N
residual current device (RDC) having a rated residual operating current not exceeding 30mA -The appliance is to be connected to a socket-	Anbotek Anbotek	signs of damage, and if the cord is damages, the	k Anbotek Anbotek	Anb N Anbor
10° LAVITE TO THE LATE AND THE	otek Vup.	residual current device (RDC) having a rated	anbotek Anbotek Anbotek	N _D A _U
	inpotek		Anbotek Anbotek An	oo' N







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h.	IEC 60335-2-9	oo Anbore	Ville
Clause	Requirement + Test	Result - Remark	Verdict
oten b	who were autous Air sek	abotek And	notek
	If symbol IEC 60417-5041 (2002-10) is marked on appliances, its meaning shall be explained (IEC 60335-2-9)	THE STATE OF THE PROPERTY AND ADDRESS.	Anborek Anbore
k Anbore	The instructions shall state that the appliances are not intended to be operated by means of an external timer or separate remote-control system (IEC 60335-2-9)	nbotek Anbotek Anbotek Anbotek Anbotek	N _{Ant} o
hotek	Instructions for use	An botek Anboten An	Br
Vupotek Tupotek	For oven: The temperature of the door or the outer surface may be high when the appliance is operating(IEC 60335-2-9)	ek Anbotek Anbotek	Amborel Amborel
stek Anbo	For toaster: Bread may burn. Therefore toasters must not be used near or below curtains and other combustible materials. They must be watched (IEC 60335-2-9)	Anbotek Anbotek Anbotek Anbotek	N A
Vupotek Vpoter	For barbecue: WARNING: Charcoal or similar combustible fuels must not be used with this appliance (IEC 60335-2-9)	Anbotek Anbotek	nbo [†] N Anbotek
	For barbecue: Maximum quantity of water to be poured into the appliance(IEC 60335-2-9)	otek Anbotek Anbotek	Misso
tek An	If top surface of a hotplate is of glass-ceramic or similar material and protects live parts, warning: If the surface is cracked, switch off the appliance to avoid the possibility of electric shock (IEC 60335-2-9)	Anbotek Anbotek Anbotek Anbotek Anbotek	N M
Anbotek Anbotek	For induction hotplates: Metallic objects such as knives, forks, spoons and lids not be placed on the hotplate since they can get hot(IEC 60335-2-9).	ak Anbotek Anbotek	Anbo
ek Ant	For breadmakers: maximum quantities of flour and raising agent that may be used(IEC 60335-2-9)	potek Anbotek Anbote	rek N An
notek Nabotek	The instructions for candy floss appliances shall state the maximum quantities of sugar and other ingredients that may be used(IEC 60335-2-9)	Anbotek Anbotek And	botek
Vupotek	The instructions shall include the substance of the fo	ollowing: (IEC 60335-2-9)	Prin Police
Anbote	This appliances is intended to be used in household and similar applications such as:	otek Anbotek Anbotek	P
	-staff kitchen areas in shops, offices and others working environments; -farm houses;	Anbotek Anbotek Anbo	ek potek
	-by clients in hotels, motels and other residential type environments; -bed and breakfast type environments.	Anbotek Anbotek Ar	Anbotek







	IEC 60335-2-9	IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict		
oter Ar	ib ak storek Anbor An	anbotes Anb	potek		
anbotek Anbotek	Note 101: If the manufacturer wants to limit the use of the appliance to less than above, this must be clearly stated in the instructions(IEC 60335-2-9)	Anbotek Anbotek Anbotek	Anborek		
7.12.1	Sufficient details for installation supplied	stek anbotek Anbo.	Р		
anbot Anbot	For an appliance intended to be permanently connected to the water mains and not connected by a hose-set, this is stated	nbotek Anbotek Anbot	sk N		
7.12.2	Stationary appliances not fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under overvoltage category III, the instructions state that means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N Anborel Anborel		
7.12.3	Insulation of the fixed wiring in contact with parts exceeding 50 K during clause 11; instructions state that the fixed wiring must be protected	Anbotek Anbotek Ant	otek N		
7.12.4	Instructions for built-in appliances:	Vupotek Vupo,	Nek		
aborek	- dimensions of space	ek abotek Anbote	N		
h. abotel	- dimensions and position of supporting and fixing	sek abotek Anbote	N		
ek Aup	- minimum distances between parts and surrounding structure	Anbotek Anbotek Anbote	otek N A		
potek p	- minimum dimensions of ventilating openings and arrangement	Anbotek Anbotek A	nboteN		
Anbotek	- connection to supply mains and interconnection of separate components	ek Anbotek Anbotek	Anboi		
Anbote ^k	- allow disconnection of the appliance after installation, by accessible plug or a switch in the fixed wiring, unless	potek Anbotek Anbotek	N Pu		
otek A	a switch complying with 24.3	Anbotek Anbote, And	New		
7.12.5	Replacement cord instructions, type X attachment with a specially prepared cord	Anbotek Anbotek A	Anbotek		
Aupolo	Replacement cord instructions, type Y attachment	k Aupore Aur.	Rook		
Anbore	Replacement cord instructions, type Z attachment	otek Anbores Anas	Non		
7.12.6	Caution in the instructions for appliances incorporating a non-self-resetting thermal cut-out that is reset by disconnection of the supply mains, if this cut-out is required to comply with the	Anbotek Anbotek Anbo	ek N		

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7.12.7





No

appliance is to be fixed

Instructions for fixed appliances stating how the



	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdic
oter Ar	ib sek obotek Aupon W. Wiek	Anboret Anb	abotek
'.12.8	Instructions for appliances connected to the water m	nains:	N/K
potek	- max. inlet water pressure (Pa):	k botek Anbore	N.
Ar. hotek	- min. inlet water pressure, if necessary (Pa):	ak hotek Anbote	N
Anbo	Instructions concerning new and old hose-sets for appliances connected to the water mains by detachable hose-sets	nbotek Anbotek Anbotek	Nan'
'.13	Instructions and other texts in an official language	English	upote. b
'.14	Marking clearly legible and durable, rubbing test as specified	Anbotek Anbotek	Anbole -bote
Anbotek Anbot	The height of the triangle used with symbol IEC 60417-5041(DB:2002-10) shall be at least 42-20 mm (IEC 60335-2-9)	hotek Anbotek Anbotek	Anb Anb
.15 _{an}	Markings on a main part	hotek Anbotek Anbo	P P
potek	Marking clearly discernible from the outside, if necessary after removal of a cover	Anbotek Anbotek Ar	upotek P
Anboten	For portable appliances, cover can be removed or opened without a tool	Anbotek Anbotek	AntRie
Anbore Anbore	For stationary appliances, name, trademark or identification mark and model or type reference visible after installation	botek Anbotek Anbotek	N _D
potek Anbotek	For fixed appliances, name, trademark or identification mark and model or type reference visible after installation according to the instructions	Anbotek Anbotek An	Anbotek
Anborel Anborel	Indications for switches and controls placed on or near the components. Marking not on parts which can be positioned or repositioned in such a way that the marking is misleading	otek Anbotek Anbotek	Pho Anbo
otek p	The symbol IEC 60417-5018 placed next to the symbol IEC 60417-5172 or IEC 60417-5180	Anbotek Anbotek An	N
Anbotek Anbotek Anbotek	The marking specified for hot surfaces shall be visible when the appliance is operated as in normal used including when actuating any switch, adjusting any control or opening a lid or door. It shall not be placed on a hot functional surface (IEC 60335-2-9)	Anbotek Anbotek Anbotek Otek Anbotek Anbotek Anbotek Anbotek	Anbo
7.16 AT	Marking of a possible replaceable thermal link or fuse link clearly visible with regard to replacing the link	Anbotek Anbotek Ane	unbotek sbotek
	PROTECTION AGAINST ACCESS TO LIVE PARTS	140	Die

Shenzhen Anbotek Compliance Laboratory Limited

with live parts







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V- 1-1	IEC 60335-2-9	bo hatek Anbore	Die
Clause	Requirement + Test	Result - Remark	Verdict
oten b	nbo k hotek Anbor All tek	abotel And	potek
8.1.1	Requirement applies for all positions, detachable parts removed	Anbotek Anbote An	Aupolek
Anborek	Lamps behind a detachable cover not removed, if conditions met	tek Anbotek Anbotek	No.
k Pupo	Insertion or removal of lamps, protection against contact with live parts of the lamp cap	Thotek Anbotek Anbote	N N
otek Ar	Use of test probe B of IEC 61032, with a force not exceeding 1 N: no contact with live parts	Anbotek Anbotek An	o ^{tek} P
Anbotek Anbotek	Use of test probe B of IEC 61032 through openings, with a force of 20N: no contact with live parts	Anbotek Anbotek	Anbotel
stek Anbo	For toasters having a crumb tray: use of test probe 41 of IEC 61032: no contact through crumb tray with live parts that are disconnected by double pole switch using (IEC 60335-2-9)	anbotek Anbotek Anbotek Anbotek	N no
8.1.2	Use of test probe 13 of IEC 61032, with a force not exceeding 1 N, through openings in class 0 appliances and class II appliances/constructions: no contact with live parts	Anbotek Anbotek Anbotek Anbotek	anbotek
tek Anbor	Test probe 13 also applied through openings in earthed metal enclosures having a non-conductive coating: no contact with live parts	botek Anbotek Anbote	N A
8.1.3	For appliances other than class II, use of test probe 41 of IEC 61032, with a force not exceeding 1 N: no contact with live parts of visible glowing heating elements	Anbotek Anbotek Anbotek	nbotek Anbotek
8.1.4	Accessible part not considered live if:	ek Anbore And hotek	Noo
ek Aupore	- safety extra-low a.c. voltage: peak value not exceeding 42.4 V	potek Anbotek Anbotek	N
ootek l	- safety extra-low d.c. voltage: not exceeding 42.4 V	Anbotek Anbotek Anbo	N
Anbotek	- or separated from live parts by protective impedance	Anbotek Anbotek	Anb Nak
Anbotel	If protective impedance: d.c. current not exceeding 2 mA, and	otek Anbotek Anbotek	N
ok anb	a.c. peak value not exceeding 0.7 mA	work Anboren Anbo	N N
otek A	- for peak values over 42.4 V up to and including 450 V, capacitance not exceeding 0,1 μF	Anbotek Anbotek Anbo	potekN
upotek potek	- for peak values over 450 V up to and including 15 kV, discharge not exceeding 45 μC	Anbotek Anbotek	AnboN ^k
Anbotek	- for peak values over 15kV, the energy in the discharge not exceeding 350 mJ	stek Anbotek Anbotek	Anb Anb







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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdic
Of P	upp K Pupolin Yun	anbotel And	potek
8.1.5	Live parts protected at least by basic insulation before	ore installation or assembly:	wo le k
	- built-in appliances	k botek Anboten	AND N
All. Motek	- fixed appliances	-k hotek Anboten	PN
Pun-	- appliances delivered in separate units	ore Ann Lotek Anborek	N
8.2	Class II appliances and constructions constructed so that there is adequate protection against accidental contact with basic insulation and metal parts separated from live parts by basic insulation only	Anbotek Anbotek Anbotek Anbotek	otek Anbotek
Anbotek	Only possible to touch parts separated from live parts by double or reinforced insulation	lek Anbotek Anbotek	An P
9	STARTING OF MOTOR-OPERATED APPLIANCES	3	Ň
tek bu	Requirements and tests are specified in part 2 when necessary	Anbotek Anbotek Anb	orek N
10	POWER INPUT AND CURRENT	, , , , , , , , , , , , , , , , , , , ,	nbotek
10.1	Power input at normal operating temperature, rated voltage and normal operation not deviating from rated power input by more than shown in table 1:	(see appended table)	Anb ^R
ek Antorek Anborek	If the power input varies throughout the operating cycle and the maximum value of the power input exceeds, by a factor greater than two, the arithmetic mean value of the power input occurring during a representative period, the power input is the maximum value that is exceeded for more than 10 % of the representative period	Anbotek	nbotek Anbotek
Anbote	Otherwise the power input is the arithmetic mean value	botek Anbotek Anbotek	N
otek Ant	Test carried out at upper and lower limits of the ranges for appliances with one or more rated voltage ranges, unless	Aupotek Aupotek Aupo	potek Iek N
Aupotek	the rated power input is related to the arithmetic mean value	k Anbotek Anbotek	Anb Per
K Anborel	Power input of induction hotplates measured separately and the tolerances for motor-operated appliances apply. (IEC 60335-2-9)	otek Anbotek Anbotek	N
10.2	Current at normal operating temperature, rated voltage and normal operation not deviating from rated current by more than shown in table 2:	(see appended table)	N







IEC 60335-2-9				
Clause	Requirement + Test	Result - Remark	Verdict	
stek b	hoe k motek Anbore And tek	abotek Anbe	notek	
Anbotek Anbotek Anbotek	If the current varies throughout the operating cycle and the maximum value of the current exceeds, by a factor greater than two, the arithmetic mean value of the current occurring during a representative period, the current is the maximum value that is exceeded for more than 10 % of the representative period	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbore Anbore	
	Otherwise the current is the arithmetic mean value	anbotek Anbor Ar.	otel N	
Anbotek	Test carried out at upper and lower limits of the ranges for appliances with one or more rated voltage ranges, unless	Anbotek Anbotek	unboiN-	
Anbotek	the rated current is related to the arithmetic mean value of the range	tek Anbotek Anbotek	N	
ek And	Current input of induction hotplates measured separately and the tolerances for motor-operated appliances apply (IEC 60335-2-9)	Anbotek Anbotek Anbote	otek	
11	HEATING		nboten	
11.1	No excessive temperatures in normal use	Aupor Am.	An Pres	
Anbore	Compliance for toasters is also checked by the test of 11. 101 (IEC 60335-2-9)	ek Anborek Anborek	Nipo	
	Compliance for ovens, rotary grills and cookers is also checked by the test of 11.102. (IEC 60335-2-9)	Anbotek Anbotek Anbote	otek N A	
Anbotek Anbotek	Compliance for contact grills, waffle irons, radiant grills, raclette grills, barbecues, candy floss appliances and hot plates, is also checked by the test of 11.103. (IEC 60335-2-9)	Anbotek Anbotek Anbotek	nbotek Anbotek	
k Aupote	Compliance for breadmakers, pop-corn makers, and food dehydrators is also checked by the test of 11.104. (IEC 60335-2-9)	potek Anbotek Anbotel	N	
otek h.	Compliance for roasters is also checked by the test of 11.105. (IEC 60335-2-9)	Anborek Anborek Anbo	N	
1.2	The appliance is held, placed or fixed in position as	Die	P	

	La	-01 D11	and the second second second	100
Shenzhen	Anbotek	Compliance	Laboratory	Limited

11.3





from the front, rotary grills, ovens, breadmakers, cookers and hotplates are placed with their backs as near as possible to one of the walls of the test

..... (IEC 60335-2-9)

corner and away from the other wall

determined by thermocouples

resistance method, unless

Temperature rises, other than of windings,

Temperature rises of windings determined by



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V	IEC 60335-2-9	h notek Anbote	b.u.
Clause	Requirement + Test	Result - Remark	Verdict
otek p	The K Potek Pupois View	abotel Ande	notek
Anbotek	the windings are non-uniform or it is difficult to make the necessary connections	Anbotek Anbotek Ar	Anborek
Anbotel Anbotel	For flat surfaces, temperature rises are measured using the probe of Figure 105. The probe is applied with a force of 4 N ± 1 N to the surface in such a way that the best possible contact between the probe and the surface is ensured.	otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	AN Ore
	(IEC 60335-2-9)	An Anbotell An	10°
11.4	Heating appliances operated under normal operation at 1.15 times rated power input (W):	Anbotek Anbotek	Anbo'P'
Anbotek Anbotek Arbo	If the temperature rise limits are exceeded in appliances incorporating motors, transformers or electronic circuits, and if the power input is lower than the rated power input, the test is repeated with the appliance supplied at 1,06 times rated voltage(IEC 60335-2-9)	lek Anbotek Anbotek Ibotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anho Anho Anho
upotek	Breadmakers are operated as specified for combined appliances (IEC 60335-2-9)	Anbotek Anbotek	Inbot N
11.5 Market	Motor-operated appliances operated under normal operation at most unfavourable voltage between 0.94 and 1.06 times rated voltage (V)	ek Anbotek Anbotek	Anbo
11.6	Combined appliances operated under normal operation at most unfavourable voltage between 0.94 and 1.06 times rated voltage (V)	Anbotek Anbotek Anb	otek N
11.7	Tests carried out in compliance with the paragraphs N° 1 to 11 (IEC 60335-2-9)	Anbotek Anbotek	Anbotek
11.8	Temperature rises monitored continuously and not exceeding the values in table 3	(see appended table)	Root
iek Ant	If the temperature rise of a motor winding exceeds the value of table 3, or	Anbotek Anbotek Anbot	N A
botek	if there is doubt with regard to classification of insulation,	Anbotek Anbotek A	nbote N
Aug	tests of Annex C are carried out	Anto tek anbotek	Aup N
VUPO.	Sealing compound does not flow out	Auro. W. Potek	PN
Aupor	Protective devices do not operate, except	otek Anbo, W. Potek	Nant
otek Aup	components in protective electronic circuits tested for the number of cycles specified in 24.1.4	inbotek Anbotek Anbo	e _k N
Anbotek hotek	For radiant grills, rotary grills, raclette grills, hotplates and cookers, instead of 65 K, the temperature rise of the wall of the test corner shall not exceed 75 K	Anbotek Anbotek Ar	Anborek

(IEC 60335-2-9)

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not exceed 75 K.







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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
poter	ind K Potek Aupor Air sek	And And	notek
	When an appliance connector incorporates a thermostat, the temperature rise limit for the pins of the inlet does not apply (IEC 60335-2-9)	Anbotek Anbotek Ar	N/k Anborek
Jotek Anbote	The temperature rise limits of motors, transformers, components of electronic circuit and parts directly influenced by them may be exceeded when the appliance is operated at 1,15 times rated power input (IEC 60335-2-9)	nbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N Anbo
Anborek Anborek	Cheese used in sandwich toasting attachments doesn't flow into places where it can give rise to a hazard, such as reducing clearances or creepage distances below the values specified in Clause 29 (IEC 60335-2-9).	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
otek And	The temperature rise limits for touch controls also include all surfaces within 5 mm of the touch controls, regardless of their shape. (IEC 60335-2-9)	Anbotek Anbotek Anbotek Anbote	otek otek





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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
ootek Ar	upose And	abotek Anba	otek
11.101	Toasters are placed as specified in 11.2 and are operated for three cycles at rated power under normal operation (IEC 60335-2-9).	Anbotek Anbotek An	Anborek
Anbotek	During the test, the temperature rise of surfaces shall not exceed the values specified in Table 102 (IEC 60335-2-9).	otek Anbotek Anbotek	AN Anto
11.102	Ovens, rotary grills and cookers are placed as specified in 11.2 and are supplied at rated power input and operated under normal operation (IEC 60335-2-9)	Anbotek Anbotek Anbotek Anbot	otek otek
	Appliances are operated until steady conditions are established or for 60 min, whichever is shorter. During the test, the temperature rise of surfaces shall not exceed the values specified in Table 102.	Anbotek Anbotek	Anborel Anborel
nbotek Ant	Ovens having settings higher than 240 °C are also operated at the maximum setting until steady conditions are established or for 60 min, whichever is shorter. The temperature rise limits of Table 102 for top surfaces and door surfaces are increased by 10 K.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	k N A
11.103	Contact grills, waffle irons, radiant grills, raclette grills, barbecues, candy floss appliances and hot plates are placed as specified in 11.2 and are supplied at rated power input and operated under normal operation. (IEC 60335-2-9) During the test, the temperature rise of surfaces	botek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	An Niek Anbo
11.104	shall not exceed the values specified in Table 102. Breadmakers, pop-corn makers and food dehydrators are placed as specified in 11.2 and are supplied at rated power input and operated under normal operation. (IEC 60335-2-9) During the test, the temperature rise of surfaces shall not exceed the values specified in Table 102.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	nbotek Anbotek Anbot
11.105	Roasters are placed as specified in 11.2 and are supplied at rated power input and operated under normal operation. (IEC 60335-2-9) During the test, the temperature rise of surfaces shall not exceed the values specified inTable 102.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbo	N Am lokek
13	LEAKAGE CURRENT AND ELECTRIC STRENGTH TEMPERATURE	HAT OPERATING	Anboien hore
13.1 Amborek	Leakage current not excessive and electric strength adequate	otek Anbotek Anbotek	Ant Ant
otek Anbo	Heating appliances operated at 1.15 times the rated power input (W)	inbotek Anbotek Anbot	e ^k P
Anbotek Anbotek	Motor-operated appliances and combined appliances supplied at 1.06 times the rated voltage (V)	Anbotek Anbotek An	Anbotek
Anborek	Protective impedance and radio interference filters disconnected before carrying out the tests	tek Anbotek Anbotek	PN







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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdic
Anbotek ok	grill incorporated in oven, oven or grill operated most unfavourable (IEC 60335-2-9).	Anbotek Anbotek An	Nk
Anbotel Anbotel	Induction wok hotplates are operated with the wok pan that is supplied by the manufacturer with the induction wok hotplate at the point of sale. (IEC 60335-2-9).	otek Anbotek Anbotek	ANO ^t
13.2	For class 0, class II and class III appliances and class II constructions, leakage current measured by means of the circuit described in figure 4 of IEC 60990	Class II constructions	otek P Anbotek
Anbotek Anbotek	For class 0I and class I appliances, a low impedance ammeter may be used	Class I appliance	PUN.
nbo	Leakage current measurements:	(see appended table)	P
hbotek Anbotek	If earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate, leakage current between live parts and each of vessels in turn connected to earthed metal not exceeding 0,75 mA (IEC 60335-2-9)	Anbotek Anbotek Anbotek Anbotek Anbotek	otek N
Anbotek Anbot	If no earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate, leakage current between live parts and each of vessels in turn not exceeding 0,25 mA (IEC 60335-2-9)	ek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N Anb
13.3	The appliance is disconnected from the supply	Anborek Anbe	de rode
Anbotek	Electric strength tests according to table 4:	(see appended table)	Bel
Anbotek Anbote	test voltage of 1000V if earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate (IEC 60335-2-9).	ek Anbotek Anbotek	N
otek Ant	test voltage of 3000 V if no earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate (IEC 60335-2-9).	Anbotek Anbotek Anbo	tek N
Aupote,	No breakdown during the tests	Anbores And	Anb Pak
14	TRANSIENT OVERVOLTAGES		, <u>1</u> 00'
Anbore	Appliances withstand the transient over-voltages to which they may be subjected	otek Anbortek Anbortek	N
otek b	Clearances having a value less than specified in table 16 subjected to an impulse voltage test, the test voltage specified in table 6	(see appended table)	potek N
'upour	No flashover during the test, unless	Aupon Au Motek	Anbon
Anboro	of functional insulation if the appliance complies with clause 19 with the clearance short-circuited	Aupore Auporek	A.Not







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K And	otek Anbotek Anbo.	IEC 60335-2-9	hotel And hotek	Anborek	Anbe
Clause	Requirement + Test	ak abotek	Result - Remark	rek anbolek	Verdict
rboter	rups k Potek Aupol.	W. *OK	aboten And		tek
15	MOISTURE RESISTANCE				work.
15.1	Enclosure provides the degree	of moisture	tek subotek	Anboter A	N Notek

15	MOISTURE RESISTANCE		
15.1	Enclosure provides the degree of moisture protection according to classification of the appliance	Anbotek Anbotek	Anbore Anbore
tek Anbo	Compliance checked as specified in 15.1.1, taking into account 15.1.2, followed by the electric strength test of 16.3	nbotek Anbotek Anbot	N N
nbotek	No trace of water on insulation which can result in a reduction of clearances or creepage distances below values specified in clause 29	Anbotek Anbotek An	N. Anborek
15.1.1	Appliances, other than IPX0, subjected to tests as specified in IEC 60529	tek Anbotek Anbotek	Anb
tek Anbo	Water valves containing live parts in external hoses for connection of an appliance to the water mains tested as specified for IPX7 appliances	Anbotek Anbotek Anbote	+ N p
15.1.2	Hand-held appliance turned continuously through the most unfavourable positions during the test	Anbotek Anbotek	unbotN
Anbotek	Built-in appliances installed according to the instructions	ek Anbotek Anbotek	₩ N
ak Anbor	Appliances placed or used on the floor or table placed on a horizontal unperforated support	botek Anbotek Anbote	N
botek All	Appliances normally fixed to a wall and appliances with pins for insertion into socket-outlets are mounted on a wooden board	Anbotek Anbotek Anb	nbotek
Anbotek Anbotek	For IPX3 appliances, the base of wall mounted appliances is placed at the same level as the pivot axis of the oscillating tube	ok Anbotek Anbotek	Anbo
anb Anb	For IPX4 appliances, the horizontal centre line of the appliance is aligned with the pivot axis of the oscillating tube, and	Pupotek Vipotek Vipotek	N AC
Anbotek Anbotek	for appliances normally used on the floor or table, the movement is limited to two times 90° for a period of 5 min, the support being placed at the level of the pivot axis of the oscillating tube	Anbotek Anbotek A	Anbotek
k Aupote	Wall-mounted appliances, take into account the distance to the floor stated in the instructions	otek Anbotek Anbotek	N
otek Amo	Appliances normally fixed to a ceiling are mounted underneath a horizontal unperforated support, the pivot axis of the oscillating tube located at the level of the underside of the support, and	Anbotek Anbotek Anbotek Anbo	ootek N
Anbotek	for IPX4 appliances, the movement of the tube is limited to two times 90° from the vertical for a period of 5 min	stek Anbotek Anbotek	Note Andore







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	IEC 60335-2-9	bo k k hotek Anbote	bu.
Clause	Requirement + Test	Result - Remark	Verdict
Die.	ind k hotek Anbo. At tek	aboter And	potek
	Appliances with type X attachment fitted with a flexible cord as described	Anbotek Anboro An	Anborek
Anbor	Detachable parts subjected to the relevant treatment with the main part	rek upolek Vupolek	A.Nore
rek Anbe	However, if a part has to be removed for user maintenance and a tool is needed, this part is not removed	nbotek Anbotek Anbot	* N
5.2	Spillage of liquid does not affect the electrical insulation	Anbotek Anbotek An	N _k
Anbore,	Spillage solution comprising water containing approximately 1 % NaCl and 0,6 % rinsing agent	Anbotek Anbotek	A.T. Note
Anbo	Appliances with type X attachment fitted with a flexible cord as described	botek Anbotek Anbotes	N n
potek Ar	Appliances incorporating an appliance inlet tested with or without an connector, whichever is most unfavourable	Anbotek Anbotek Ant	otek N
Anbotek	Detachable parts are removed	anbotek Anbo	Nie
Anborek	Overfilling test with additional amount of the solution, over a period of 1 min (I)	ek Anbotek Anbotek	N Anbr
ak Anba	Overfilling test; quantity : as specified in IEC 60335-2-9	botek Anbotek Anbotek	N A
otek	Ovens: 0.5l (IEC 60335-2-9)	And Andores And	N
Anbotek	Hotplates and cookers : 0.5l ,15s (IEC 60335-2-9)	Anbotek Anbotek A	Anbotek
Anbot Anbote	For induction wok hotplates, the test is performed using the wok pan that is supplied by the manufacturer with the induction wok hotplate at the point of sale. (IEC 60335-2-9)	otek Anbotek Anbotek	Noc A
otek .	Hotplates incorporate a thermal control : 0.02l (IEC 60335-2-9)	Wilhotek Vipotek Wi	lbotelN
nborek	Hotplates having ventilating opening : 0.2l (IEC 60335-2-9)	k Anbotek Anbotek	Anb N
Anbote	Other appliances : 0.1l/100cm² 1min (IEC 60335-2-9)	otek Anbotek Anbotek	N
and And	The appliance withstands the electric strength test of 16.3	inbosek Anbosek Anbo	ek N
nbotek nbotek	No trace of water on insulation that can result in a reduction of clearances or creepage distances below values specified in clause 29	Anbotek Anbotek An	Anborek Anborek
5.3	Appliances proof against humid conditions	93% R.H., 25℃	P







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A ho	IEC 60335-2-9	pot k sotek Anbote	b.u.
Clause	Requirement + Test	Result - Remark	Verdic
otok l	inco k potek Aupoli Ali. tek	abotel And	potek
	Checked by test Cab: Damp heat steady state in IEC 60068-2-78	Anbotek Anbotek An	Auporak
Anbore	Detachable parts removed and subjected, if necessary, to the humidity test with the main part	tek Anbotek Anbotek	More
K 200	Humidity test for 48 h in a humidity cabinet	tek abotek Anbote	P
otek A	Reassembly of those parts that may have been removed	Wholek Wholek Who	N otek
nbotek	The appliance withstands the tests of clause 16	Vupotek Vupos Vi	-2001P/-
15.101	Appliances to be immersed in water for cleaning sufficiently protected against effects of immersion (IEC 60335-2-9)	tek Anbotek Anbotek	Anborel Anborel
Anbo	Testing conditions and scheduling as specified	botek Anboten And	ν N
opotek ar	No trace of water on insulation which can result in reduction of creepage distances and clearance below values specified in 29	Anbotek Anbotek Anb	otek N
16	LEAKAGE CURRENT AND ELECTRIC STRENGTH	-	" Potel
16.1	Leakage current not excessive and electric strength adequate	lek Vupotek Vupo,	P Anbo
tek Aupo	Protective impedance disconnected from live parts before carrying out the tests	botek Anbotek Anbotel	N N
lbotek	Tests carried out at room temperature and not connected to the supply	Anbotek Anbotek Anb	nboten n
Anbotek Anbotek	For hotplates, the tests are carried out with a vessel as specified for normal operation placed on each cooking zone (IEC 60335-2-9).	ek Anbotek Anbotek	Aupo,
ek Anton	Induction wok hotplates are operated with the wok pan that is supplied by the manufacturer with the induction wok hotplate at the point of sale. (IEC 60335-2-9).	Potek Aupotek Aupotek	N AL
16.2	Single-phase appliances: test voltage 1.06 times rated voltage (V)	Aupotek Aupotek Av	potek
Anbotek	Three-phase appliances: test voltage 1.06 times rated voltage divided by √3 (V):	k Anbotek Anbotek	Anbor
Vupar	Leakage current measurements	(see appended table)	Pan
k Vup	Limit values doubled if:	Anbotek Anbor An	ek
otek p	- all controls have an off position in all poles, or	Anbotek Anbote An	orel ^N
inpotek Fek	- the appliance has no control other than a thermal cut-out, or	Anbotek Anbotek	AnboN ^K
Anborek	- all thermostats, temperature limiters and energy regulators do not have an off position, or	Anborek Anborek	N







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IEC 60335-2-9 And Andrew Andrew			
Clause	Requirement + Test	Result - Remark	Verdic
7r b	the applicant has radio interference filters	Aupore Au	poter
hoter	- the appliance has radio interference filters	Anboter Ann stek	NK
Anbotek	With the radio interference filters disconnected, the leakage current do not exceed limits specified:	(see appended table)	Anbot
	If earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate, leakage current between live parts and each of vessels in turn connected to earthed metal not exceeding 0,75 mA (IEC 60335-2-9)	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N _{An} i otek
Anbotek Anbotek	If no earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate, leakage current between live parts and each of vessels in turn not exceeding 0,25 mA (IEC 60335-2-9)	Anbotek Anbotek Anbotek Anbotek	Anbote Anbote
6.3	Electric strength tests according to table 7:	(see appended table)	6 Р
	Test voltage applied between the supply cord and inlet bushing and cord guard and cord anchorage as specified	Anbotek Anbotek Ant	otek N
Anbotek Anbotek	test voltage of 1250 V if earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate. (IEC 60335-2-9)	ek Anbotek Anbotek	Anborel Anborel
	test voltage of 3000 V if no earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate. (IEC 60335-2-9)	botek Anbotek Anbotek	- N
otek	No breakdown during the tests	Anbotek Anbo. A.	-voteP
7	OVERLOAD PROTECTION OF TRANSFORMERS	AND ASSOCIATED CIRCUITS	107e
Anborek	No excessive temperatures in transformer or associated circuits in event of short-circuits likely to occur in normal use:	ek Anbotek Anbotek	Anbr
otek Anb	Appliance supplied with 1.06 or 0.94 times rated voltage under the most unfavourable short-circuit or overload likely to occur in normal use (V):	Anbotek Anbotek Anbo	tek N
hotek	Basic insulation is not short-circuited	hotek Anbote. At	N
Anbotek Anbotel	Temperature rise of insulation of the conductors of safety extra-low voltage circuits not exceeding the relevant value specified in table 3 by more than 15 K	otek Anbotek Anbotek	Anbo Anbo
stek And	Temperature of the winding not exceeding the value specified in table 8	Anbotek Anbotek Anbo	ek N
nbotek	However, limits do not apply to fail-safe transformers complying with sub-clause 15.5 of IEC 61558-1	Anbotek Anbotek An	Anbotek Anbotek
8	ENDURANCE		AUPO







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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
otek p	nua k botek Anbote Anb	abotek Anbo	notek.
Anbotek	Requirements and tests are specified in part 2 when necessary	Anbotek Anbotek An	Anborek
19	ABNORMAL OPERATION		AI-bote
19.1 Anbo	The risk of fire, mechanical damage or electric shock under abnormal or careless operation obviated	upotek Pupotek Tupotek	P _{Anlo}
otek Ar	Electronic circuits so designed and applied that a fault will not render the appliance unsafe:	(see appended table)	Р
Anborek	Appliances incorporating heating elements subjected to the tests of 19.2 and 19.3, and	Anbotek Anbotek	Anborel
Anboter.	if the appliance also has a control that limit the temperature during clause 11 it is subjected to the test of 19.4, and	tek Anbotek Anbotek	P _{Anb} o
otek An	if applicable, to the test of 19.5	abotek Anbote Am	otek P
nbotek	Appliances incorporating PTC heating elements are also subjected to the test of 19.6	Aupotek Aupotek Aut	_{inbot} N
Anborek	Appliances incorporating motors subjected to the tests of 19.7 to 19.10, as applicable	ek Vupotek Vupotek	An Pres
Anbot Anto	Appliances incorporating electronic circuits subjected to the tests of 19.11 and 19.12, as applicable	botek Anbotek Anbotek	P
abotek abotek	Appliances incorporating contactors or relays subjected to the test of 19.14, being carried out before the tests of 19.11	Anbotek Anbotek Anb	nbotek hotek
Anborek	Appliances incorporating voltage selector switches subjected to the test of 19.15	ak Anbotek Anbotek	Anbot Anbot
ek Aupon	Unless otherwise specified, the tests are continued until a non-self-resetting thermal cut-out operates, or	Anbotek Anbotek Anbotek	P _A n
boter	until steady conditions are established	Aupoter, Aup	boteN
Anbotek Anbotek	If a heating element or intentionally weak part becomes open-circuited, the relevant test is repeated on a second sample	k Anbotek Anbotek	Anb Pok
ak Anbore ootek A	Tests of 19.4 and 19.5 are only applicable to: -breadmakers, contact grills, food dehydrators - ovens, roasters, hotplates, cookers, rotary grills if they incorporate a timer or if their instructions indicate a cooking operation longer than 1h (IEC 60335-2-9)	otek Anborek Anborek Inborek Anborek Anborek Anborek Anborek Anbor	P _{Ant}
Anbotek	Toasters are subjected to the tests 19.101 and 19.102 (IEC 60335-2-9)	Anbotek Anbotek	AnboN abore







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N	IEC 60335-2-9	w notek Ambore	Vu.
Clause	Requirement + Test	Result - Remark	Verdict
oten p	ups k polek Aupolis All.	photes And	potek
Anbotek	However, induction wok hotplates are not subjected to the test of 19.104. (IEC 60335-2-9)	Anbotek Anbotek Al	Aupolik
Anborek	Induction hotplates are subjected to the tests 19.103 and 19.104 (IEC 60335-2-9)	stek Anbotek Anbotek	ANOTE AND
19.2	Test of appliances with heating elements with restricted heat dissipation; test voltage (V), power input of 0.85 times rated power input (W):	nbotek Anbotek Anbot	ek P
unbotek Anbotek	Radiant grills, raclette grills that are loaded from the front , rotary grills, ovens, hotplates and cookers are placed as near as possible to the walls of the test corner (IEC 60335-2-9)	Anbotek Anbotek Anbotek Anbotek	N. Anborel
k Aupo	They are tested empty with lids open or closed whichever is the more unfavourable	hotek Anbotek Anbotek	k Bup,
nbotek	Hotplates are operated without a vessel and with the controls adjusted to the highest setting (IEC 60335-2-9)	Anbotek Anbotek Ant	of N Inbotek
Anbotek	Induction hotplates are operated under conditions of clause 11 but with empty vessels, controls adjusted to the highest setting (IEC 60335-2-9)	ek Anbotek Anbotek	Anno Anbo
	Cookers are only tested with the heating unit that results in the most unfavourable conditions, their controls adjusted to the highest setting. However ovens are operated if they do not have an indicating lamp to show when they are switched on, controls adjusted to the highest setting (IEC 60335-2-9)	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	nbotek nbotek Anbotek
Anbote Anbote	Induction wok hotplates are operated with an empty wok pan that is supplied by the manufacturer with the induction wok hotplate at the point of sale. (IEC 60335-2-9)	Sotek Anbotek Anbotek	N _o
19.3	Test of 19.2 repeated; test voltage (V), power input of 1.24 times rated power input (W):	Anbotek Anbotek A	ibote P
19.4	Test conditions as in clause 11, any control limiting the temperature during tests of clause 11 short-circuited	k Anbotek Anbotek	Anboh
ak Anbr	Air-circulating fans of food dehydrators disconnected (IEC 60335-2-9)	hbotek Anbotek Anbotek	ek N ^{Am} i
19.5	Test of 19.4 repeated on Class 0I and I appliances with tubular sheathed or embedded heating elements. No short-circuiting, but one end of the element connected to the sheath	Anbotek Anbotek An	potekP Anbotek





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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
oter A	ups K motek Aupon An.	abotel And	potek
unpotek	The test repeated with reversed polarity and the other end of the heating element connected to the sheath	Anbotek Anbotek An	Anborek
k Anbotek	The test is not carried out on appliances intended to be permanently connected to fixed wiring and on appliances where an all-pole disconnection occurs during the test of 19.4	upotek Aupotek Aupotek	N Anb
19.6	Appliances with PTC heating elements tested at rated voltage, establishing steady conditions	Anbotek Anbotek An	otek N
Anbotek Anbotek	The working voltage of the PTC heating element is increased by 5% and the appliance is operated until steady conditions are re-established. The voltage is then increased in similar steps until 1.5 times working voltage or until the PTC heating element ruptures (V)	tek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anborel Anborel
19.7	Stalling test by locking the rotor if the locked rotor torque is smaller than the full load torque, or	Anbotek Anbotek Anb	ote N
nborek	locking moving parts of other appliances	anbotek Anbot	Prek
Anborek	Locked rotor, capacitors open-circuited one at a time	ak Anbotek Anbotek	Anbo
ek Anbo.	Test repeated with capacitors short-circuited one at a time, unless	potek Anbotek Anbotel	N pr
rek	capacitor is of class P2 of IEC 60252-1	And otek anbotek Anbi	N
Anbotek	Appliances with timer or programmer supplied with rated voltage for each of the tests, for a period equal to the maximum period allowed:	Anbotek Anbotek A	nbor P Anborek
Anbotel Anbotel	An electronic timer or programmer that operates to ensure compliance with the test before the maximum period under the conditions of Clause 11 is reached, is a protective electronic circuit	Sotek Anbotek Anbotek	le _k vu
otek p	Other appliances supplied with rated voltage for a period as specified:	Anbotek Anbo	boje P
Anbotek	Winding temperatures not exceeding values specified in table 8	(see appended table)	Anbore Anbore
19.8	Multi-phase motors operated at rated voltage with one phase disconnected	otek Anbotek Anbotek	N
19.9	Running overload test on appliances incorporating motors intended to be remotely or automatically controlled or liable to be operated continuously	Anbotek Anbotek Anbot	P ootek







Anu	IEC 60335-2-9	poter And otek Anbotek	PUL
Clause	Requirement + Test	Result - Remark	Verdict
otek p	Who work Aupon Am	anbotel And	notek
Anbotek Anbotek Anbotek	Motor-operated and combined appliances for which 30.2.3 is applicable and that use overload protective devices relying on electronic circuits to protect the motor windings, are also subjected to the test	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbore Anbore
	Winding temperatures not exceeding values as specified:	(see appended table)	Р
19.10	Series motor operated at 1.3 times rated voltage for 1 min (V)	Anborek Anborek An	ootek N
Anbotek	During the test, parts not being ejected from the appliance	Anbotek Anbotek	Anborel Anborel
19.11	Electronic circuits, compliance checked by evaluation of the fault conditions specified in 19.11.2 for all circuits or parts of circuits, unless	hotek Anbotek Anbotek	P _i nb'
Potek Vi	they comply with the conditions specified in 19.11.1	Anbotek Antotek Ant	otek P
Anbotek	Appliances incorporating an electronic circuit that relies upon a programmable component to function correctly, subjected to the test of 19.11.4.8, unless	Anbotek Anbotek	Anbotek
h.	restarting does not result in a hazard	tek obotek Anbote	N
ek Ani	Appliances having a device with an off position obtained by electronic disconnection, or a device placing the appliance in a stand-by mode, subjected to the tests of 19.11.4	Anbotek Anbotek Anbotek Anb	otek obotek
Anbotek Anbotek	If the safety of the appliance under any of the fault conditions depends on the operation of a miniature fuse-link complying with IEC 60127, the test of 19.12 is carried out	ek Anbotek Anbotek	Anbo
do 16	During and after each test the following is checked:	bek abotek Anbote	N
otek I	- the temperature of the windings do not exceed the values specified in table 8	Pupotek Pupotek Pupo	P
Anbotek	- the appliance complies with the conditions specified in 19.13	Anbotek Anbotek	AnbeRek
Anbotel	- any current flowing through protective impedance not exceeding the limits specified in 8.1.4	otek Anbotek Anbotek	N
otek Pup.	If a conductor of a printed board becomes open-circ considered to have withstood the particular test, proconditions are met:		ek
nbotek	- the base material of the printed circuit board	Anbotek Anbotek Ar	N/A





withstands the test of Annex E



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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
Anbotek Anbotek	- any loosened conductor does not reduce clearance or creepage distances between live parts and accessible metal parts below the values specified in clause 29	Anbotek Anbotek Arbotek	Anborel Anborel
19.11.1	Fault conditions a) to g) in 19.11.2 are not applied meeting both of the following conditions:	to circuits or parts of circuits	ek -Anb
otek Ar	- the electronic circuit is a low-power circuit, that is the maximum power at low-power points does not exceed 15 W according to the tests specified	Anbotek Anbotek Anbotek An	potekP
Anbotek Anbotek	- the protection against electric shock, fire hazard, mechanical hazard or dangerous malfunction of other parts of the appliance does not rely on the correct functioning of the electronic circuit	et Anbotek Anbotek Dotek Anbotek Anbotek	Anbotek Anbotek
19.11.2	Fault conditions applied one at a time, the appliant specified in clause 11, but supplied at rated voltage specified:		otek M
Anbotek Anbotek	a) short circuit of functional insulation if clearances or creepage distances are less than the values specified in clause 29	Anbotek Anbotek	Anbotek
AUDO	b) open circuit at the terminals of any component	olek Anbo	R ₁ po
Vupo.	c) short circuit of capacitors, unless	potek Anbor Ak hote	PAR
rek Anl	they comply with IEC 60384-14	Vuposek Vupose Vi	otek P
hotek	d) short circuit of any two terminals of an electronic component, other than integrated circuits	Anbotek Anbotek An	nboteP
Anborek	This fault condition is not applied between the two circuits of an optocoupler	Anbotek Anbotek	AntN
Nupote	e) failure of triacs in the diode mode	otek anbotek Anbo	Р
iek no	f) failure of microprocessors and integrated circuits	nek supotek Aupore	P
18K	g) failure of an electronic power switching device	Anb. rek abotek Anb	N
Anbotek Anbotek	Each low power circuit is short-circuited by connecting the low-power point to the pole of the supply source from which the measurements were made	Anbotek Anbotek Anbotek	Anbotek
19.11.3	If the appliance incorporates a protective electronic circuit which operates to ensure compliance with clause 19, the relevant test is repeated with a single fault simulated, as indicated in a) to g) of 19.11.2	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbo	P _{Ant}
19.11.4	Appliances having a device with an off position obtained by electronic disconnection, or	Anbotek Anbotek	Anbo N ^k
bu.	a device that can be placed in the stand-by mode,	by Pure Potes	AP







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V	IEC 60335-2-9	h hotek Anbote	Ville
Clause	Requirement + Test	Result - Remark	Verdict
oter A	in total Aupo, Ar tak	abote. And	potek
Anbotek Anbotek	subjected to the tests of 19.11.4.1 to 19.11.4.7, the device being set in the off position or in the standby mode	Anbotek Anbotek An	Anborek
Anbotek Anbotek Anbotek	Appliances incorporating a protective electronic circuit subjected to the tests of 19.11.4.1 to 19.11.4.7, the tests being carried out after the protective electronic circuit has operated, except that	upotek Anbotek Anbotek	N Anb Anb
unbotek Anbotek	appliances operated for 30 s or 5 min during the test of 19.7 are not subjected to the tests for electromagnetic phenomena.	Anbotek Anbotek	Ambo!NE
Anbotek	Surge protective devices disconnected, unless	tek Aupotek Aupo	P
r pupor	They incorporate spark gaps	otek Anbotek Anbo	N
19.11.4.1	The appliance is subjected to electrostatic discharges in accordance with IEC 61000-4-2, test level 4	Anbotek Anbotek Anbo	otek P A
19.11.4.2	The appliance is subjected to radiated fields in accordance with IEC 61000-4-3, test level 3	Anbotek Anbotek	Anbotek
19.11.4.3	The appliance is subjected to fast transient bursts in accordance with IEC 61000-4-4, test level 3 or 4 as specified	ootek Anbotek Anbotek	P _{Anbol}
19.11.4.4	The power supply terminals of the appliance subjected to voltage surges in accordance with IEC 61000-4-5, test level 3 or 4 as specified	Anbotek Anbotek Anb	nbotek
Anbotek	An open circuit test voltage of 2 kV is applicable for the line-to-line coupling mode	Anborek Anborek	Aup Bek
Anbotel	An open circuit test voltage of 4 kV is applicable for the line-to-earth coupling	potek Anbotek Anbotek	Pibe.
ek Anb	Earthed heating elements in class I appliances disconnected	Anbotek Anbotek Anbo	rek P
19.11.4.5	The appliance is subjected to injected currents in accordance with IEC 61000-4-6, test level 3	Anbotek Anbotek A	bote P
19.11.4.6	Appliances having a rated current not exceeding 16 A are subjected to the Class 3 voltage dips and interruptions in accordance with IEC 61000-4-11	k Anbotek Anbotek	P
otek Anbo	Appliances having a rated current exceeding 16 A are subjected to the Class 3 voltage dips and interruptions in accordance with IEC 61000-4-34	Anbotek Anbotek Anbo	ek N
19.11.4.7	The appliance is subjected to mains signals in accordance with IEC 61000-4-13, test level class 2	Anbotek Anbotek An	Anborek









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V	IEC 60335-2-9	hotek Aupor	br.
Clause	Requirement + Test	Result - Remark	Verdict
oter A	hos K Motek Anbout An	nbotes Anti	notek
19.11.4.8	The appliance is supplied at rated voltage and operated under normal operation. After 60s the power supply is reduced to a level such that the appliance ceases to respond or parts controlled by the programmable component cease to operate	k Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anborek Anbore
K Anbo	The appliance continues to operate normally, or	-botek Anbote And	P
otek Ar	requires a manual operation to restart	hotek Anboten Anbo	_{rek} N
19.12	If the safety of the appliance for any of the fault conditions specified in 19.11.2 depends on the operation of a miniature fuse-link complying with IEC 60127, the test is repeated, measuring the current flowing through the fuse-link; measured current (A); rated current of the fuse-link (A):	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotel Anbotel
19.13	During the tests the appliance does not emit flames, molten metal, poisonous or ignitable gas in hazardous amounts	Anbotek Anbotek Anbotek Anbote	P P
v uposek	Temperature rises not exceeding the values shown in table 9:	Anbotek Anbotek	nbotek
aborek	Compliance with clause 8 not impaired	ek anbotek Anbot	P
Anbote	If the appliance can still be operated it complies with 20.2	botek Anbotek Anbote	P
tek Anti	Insulation, other than of class III appliances or class contain live parts, withstands the electric strength test specified in table 4:		obotek
Anboten	- basic insulation (V):	Anboter Anb	Pek
Anborek	- supplementary insulation (V):	sk Aupotek Aupo.	Pool
Anbore	- reinforced insulation (V):	otek Anbotek Anbo	Р
ek Anb botek A	After operation or interruption of a control, clearances and creepage distances across the functional insulation withstand the electric strength test of 16.3, the test voltage being twice the working voltage	Anbotek Anbotek Anbo	tek P h
Anbotek	The appliance does not undergo a dangerous malfunction, and	k Anbotek Anbotek	Anbot Anbot
ik Anbe	no failure of protective electronic circuits, if the appliance is still operable	notek Anbotek Anbotek	N _M
otek A	Appliances tested with an electronic switch in the off mode:	position, or in the stand-by	potek
Anbore.	- do not become operational, or	Anbore And And	No One
Anbotek	- if they become operational, do not result in a dangerous malfunction during or after the tests of 19.11.4	kek abotek Anbotek	Mote







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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdic
ofer p	notek Anbor An	anbotes Anbo	notek
inpotek ek	If the appliance contains lids or doors that are control one of the interlocks may be released provided that:		Anborek
Anborek	- the lid or door does not move automatically to an open position when the interlock is released, and	tek Anbotek Anbotek	No.
Anbo	- the appliance does not start after the cycle in which the interlock was released	nbotek Anbotek Anbot	N N
otek Ar	During the test of 19.102 any flame or smoke from the bread are ignored (IEC 60335-2-9)	Anbotek Anbotek An	oote ^k N
Anbotek Anbotek	Temperature rise of the windings of induction hotplates not exceeding the values specified in 19.7 (IEC 60335-2-9)	tek Anbotek Anbotek	Anbore
19.14	Appliances operated under the conditions of clause 11, any contactor or relay contact operating under the conditions of clause 11 being short-circuited	Anbotek Anbotek Anbotek Anbote	N N
Aupotek Potes	For a relay or contactor with more than one contact, all contacts are short-circuited at the same time	Anbotek Anbotek	inbot N Anbote
Anbor.	A relay or contactor operating only to ensure the appliance is energized for normal use is not short-circuited	botek Anbotek Anbotek	N/o
potek An	If more than one relay or contactor operates in clause 11, they are short-circuited in turn	Anbotek Anbotek Anb	otek N
19.15	For appliances with a mains voltage selector switch, the switch is set to the lowest rated voltage position and the highest value of rated voltage is applied	ek Anbotek Anbotek	N
19.101	Toasters operated at rated power input and under normal operation, but without bread, for six cycles of operation, test repeated 500 times (IEC 60335-2-9)	Anbotek Anbotek Anbotek	N A
Anbotek	The mechanism operates satisfactorily and no sustained arcing occurs. (IEC 60335-2-9)	Anbotek Anbotek	N.K
19.102	Toasters: test with the ejector mechanism locked (IEC 60335-2-9)	otek Anbotek Anbotek	N°
19.103	Induction hotplates operated with the specified steel disk placed on the centre of the cooking zone (IEC 60335-2-9)	Inbotek Anbotek Anbo	ek N
19.104	Induction hotplates operated with thermal controls short-circuited or rendered inoperative in turn: The temperature rise of the oil shall not exceed 270 K	Anbotek Anbotek Anbotek	Anbo Nk







Pri.	Het Anboten Anbo IEC 6	0335-2-9	por Ar hotek Anboter	PULL
Clause	Requirement + Test	-botek	Result - Remark	Verdict
19.105	Induction hotplates operated with therm	aal controle	Anbotek And	dotek
Anbolek	short-circuited or rendered inoperative temperature rise of the oil shall not exc	in turn: The	Anbotek Anbotek	Anboilk
19.106	Pop-corn makers: operated under conclause 11 for a period of 5 min but with popcorn outlet blocked by means of a gmesh size small enough to keep the pobeing ejected from the appliance	ditions of the grid with a	otek Anbotek Anbotek Anbotek Anbotek Anbotek	N And
10/4	And And Hotel (IEC	60335-2-9)	Ar Anboten An	nok-
20	STABILITY AND MECHANICAL HAZA	RDS	10012	Aupo
20.1	Appliances having adequate stability	L Anbore	Anb tek abotek	An Poro
	Tilting test through an angle of 10°, applaced on an inclined plane/horizontal connected to the supply mains; applian overturn	support, not	lbotek Anbotek Anbotek	Pupo ek A
lbotek	Tilting test repeated on appliances with elements, angle of inclination increased		Anbotek Anbotek An	unboten.
Anbotek Anbotek	Possible heating test in overturned postemperature rise does not exceed value table 9		ek Anbotek Anbotek	An N te.
20.2 Miles	Moving parts adequately arranged or e to provide protection against personal i		botek Anbotek Anbote	P A
botek	Protective enclosures, guards and simi non-detachable, and	lar parts are	Anbotek Anbotek Ant	hootek
Anbore.	have adequate mechanical strength	h. botek	Anbote, And otek	Anh Piek
Anboren	Enclosures that can be opened by over interlock are considered to be detachable.		ek Anbotek Anu	Noot
ak Anb	Self-resetting thermal cut-outs and ove protective devices not causing a hazard unexpected closure		Anbotek Anbotek Anbote	N An
anbotek	Not possible to touch dangerous movin the test probe described	g parts with	Anbotek Anbotek	nbote N
20.101	Oven with horizontal hinged door: succeeds test in conditions as specified, if relevant 3,5 kg) (IEC		otek Anbotek Anbotek	N N Anbore
21	MECHANICAL STRENGTH			ek
21.1	Appliance has adequate mechanical st is constructed as to withstand rough ha		Anbotek Anbote And	potekP
*upotek	Checked by applying 3 blows to every enclosure like to be weak, in accordance in the first spring hamme	ce with test	Anbotek Anbotek	Anbote Anbote

Shenzhen Anbotek Compliance Laboratory Limited



an impact energy of 0,5 J

Ehb of IEC 60068-2-75, spring hammer test, with



	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
otek p	upo, k Potek Vupotes, Vun	anbotel Anbo. K	notek
upotek ************************************	The appliance shows no damage impairing compliance with this standard, and	Anbotek Anbotek A	Anborek
Anborek	compliance with 8.1, 15.1 and clause 29 not impaired	tek Anbotek Anbotek	AIR Off
r Aupo	If doubt, supplementary or reinforced insulation subjected to the electric strength test of 16.3	nbotek Anbotek Anbote	N N
otek Ar	If necessary, repetition of groups of three blows on a new sample	Anbotek Anbotek Ar	ipote ^k N
Anbotek	For appliances intended for outdoor use, the impact energy is 0.7J (IEC 60335-2-9)	Anbotek Anbotek	Anbo N
Anboten	Appliances incorporates visibly glowing heating elements located at the top of the oven and accessible to the test probe 41 of IEC 61032	tek Anbotek Anbotek	N Anb
	(IEC 60335-2-9)	Lotek Anboten Anbo	You
Anbotek Anbotek	For hotplates with surfaces of glass-ceramic or similar, three blows applied to parts surfaces not exposed to the test of 21.101, impact energy 0,70J ± 0,05 J. (IEC 60335-2-9).	Anbotek Anbotek An	Anbore/
21.2	Accessible parts of solid insulation having strength to prevent penetration by sharp implements	otek Anbotek Anbotek	P./pc
botek Ant	Test not applicable if the thickness of supplementary insulation is at least 1 mm and reinforced insulation at least 2 mm	Anbotek Anbotek Anb	otek P
Anbotek	The insulation is tested as specified, and does withstand the electric strength test of 16.3	Anbotek Anbotek	Anbotek Anbotek
21.101	Surfaces of hotplates of glass-ceramic or similar material withstand the stresses liable to occur in normal use, under test conditions as specified (IEC 60335-2-9).	potek Anbotek Anbotek	Woo,
Anbotek Anbotek Anbotek	Induction wok hotplates are tested with a wok pan that is supplied by the manufacturer with the induction wok hotplate at the point of sale. The wok pan is filled with sand or shot so that the total mass, including the mass of the wok pan, is equal to $1.8 \text{ kg} \pm 0.01 \text{ kg}$. (IEC 60335-2-9)	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
k w	After the tests, surface of hotplate not broken).	or Anti-	N
- ok	Withstand dielectric strength test of 16.3	Inpose And Posek Aupo	N
22	CONSTRUCTION	260, 400	potek

fulfilled







	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
otek p	Who, K Motek Wulpage, Wun	abotek Anbo	potek
22.2	Stationary appliance: means to ensure all-pole discoprovided:	onnection from the supply being	Anbotek
Aupo,	- a supply cord fitted with a plug, or	k Aupor ok Pr.	Note
Anbore	- a switch complying with 24.3, or	otek Aupor K Au	Nanto
stek Anbo	- a statement in the instruction sheet that a disconnection incorporated in the fixed wiring is to be provided, or	nbotek Anbotek Anbot	otek
nbotek	- an appliance inlet	anbotek Anbo. A.	"oN ^c
Anbotek Anbotek Anbo	Singe-pole switches and single-pole protective devices for the disconnection of heating elements in single-phase, permanently connected class 01 and class I appliances, connected to the phase conductor	tek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N _{rel} Anto
22.3	Appliance provided with pins: no undue strain on socket-outlets	Anbotek Anbotek Ank	over N
1/po	Applied torque not exceeding 0.25 Nm	Anbo sk spotek	nborN
Anbotek Anbotek	Pull force of 50N to each pin after the appliance has being placed in the heating cabinet; when cooled to room temperature the pins are not displaced by more than 1mm	ek Anbotek Anbotek	An N Per
ek An	Each pin subjected to a torque of 0.4Nm; the pins are not rotating, unless	Anbotek Anbotek Anb	N N
bolovek	rotating does not impair compliance with this standard	Anbotek Anbotek A	nboteN hotek
22.4	Appliance for heating liquids and appliance causing undue vibration not provided with pins for insertion into socket-outlets	ok Anbotek Anbotek	Am N Anbor
22.5	No risk of electric shock when touching the pins of the plug, for appliances having a capacitor with rated capacitance equal to or greater than $0.1\mu F$, the appliance being disconnected from the supply at the instant of voltage peak	Anbotek Anbotek Anbotek Anbotek Anbotek	potek
Anbotek	If compliance relies on the operation of an electronic circuit, the electromagnetic phenomena tests of 19.11.4.3 and 19.11.4.4 are applied	k Anbotek Anbotek	N Anbor
k Mup	The discharge test is then repeated three times, voltage not exceeding 34 V (V):	16V	e ^k P
70			

01 1	6	· D.		101
Shenzhen	Anbotek	Compliance I	Laboratory	Limited

22.6





N

N

Voltage not exceeding 34 V (V):

Electrical insulation not affected by condensing water or leaking liquid

Electrical insulation of Class II appliances not affected if a hose ruptures or seal leaks



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W	IEC 60335-2-9	tek stotek Anbo.	h.
Clause	Requirement + Test	Result - Remark	Verdict
oter	hup. Wallet Walpor Will Helk	anbotes Anti	potek
	In case of doubt, test as described	abotek Anbore An	N
22.7	Adequate safeguards against the risk of excessive pressure in appliances containing liquid or gases or having steam-producing devices	K Anbotek Anbotek	Anbote Anbote
22.8	Electrical connections not subject to pulling during cleaning of compartments to which access can be gained without the aid of a tool, and that are likely to be cleaned in normal use	Anbotek Anbotek Anbot	otek Pari
22.9	Insulation, internal wiring, windings, commutators and slip rings not exposed to oil, grease or similar substances, unless	Anbotek Anbotek	Anborel
Aupor	the substance has adequate insulating properties	tek Wupong Wu	Nob
22.10	Not possible to reset voltage-maintained non-self-resetting thermal cut-outs by the operation of an automatic switching device incorporated within the appliance, if:	Anbotek Anbotek Anbotek Anbotek	otok N N
Aupotek	- a non-self-resetting thermal cut-out is required by the standard, and	Anbotek Anbotek	nbor N Anborek
Anbore	- a voltage maintained non-self-resetting thermal cut-out is used to meet it	ek Aupotek Wing	Nipo
iek bi	Non-self-resetting thermal motor protectors have a trip-free action, unless	Anbotek Anbotek Anbote	n A
	they are voltage maintained	Anbotek Anbot Al.	noteN
Anbotek Anbotek	Reset buttons of non-self-resetting controls so located or protected that accidental resetting is unlikely	ek Anbotek Anbotek	Nek Anbolek
22.11	Reliable fixing of non-detachable parts that provide the necessary degree of protection against electric shock, moisture or contact with moving parts	potek Anbotek Anbotek	P
ootek	Obvious locked position of snap-in devices used for fixing such parts	Anbotek Anbotek An	,bote N
Anbotek Anbotek	No deterioration of the fixing properties of snap-in devices used in parts that are likely to be removed during installation or servicing	y Aupotek Aupotek	Anboh
Aupor	Tests as described	otek Pupo, by Polsk	Nagh
22.12	Handles, knobs etc. fixed in a reliable manner	obotek Anbote And	e ^k P
unbotek l	Fixing in wrong position of handles, knobs etc. indicating position of switches or similar components not possible	Anbotek Anbotek An	ootel P
Anbotek	Axial force 15 N applied to parts, the shape being so that an axial pull is unlikely to be applied	Anbotek Anbotek	Any Nor







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/	IEC 60335-2-9	to Lotek Anbore	b.u.
Clause	Requirement + Test	Result - Remark	Verdict
ote. b	un apotek Aupo. W. Week	Antore And	potek
	Axial force 30 N applied to parts, the shape being so that an axial pull is likely to be applied	Anbotek Anbotek A	Anborek
22.13	Unlikely that handles, when gripped as in normal use, make the operator's hand touch parts having a temperature rise exceeding the value specified for handles which are held for short periods only	otek Anbotek Anbotek	A.Note
22.14	No ragged or sharp edges creating a hazard for the user in normal use, or during user maintenance	Anbotek Anbotek Anbe	ootek P
Anborek	No exposed pointed ends of self-tapping screws or other fasteners, likely to be touched by the user in normal use or during user maintenance	Anbotek Anbotek	Anborel
22.15	Storage hooks and the like for flexible cords smooth and well rounded	otek Anbotek Anbotek	Mup
22.16	Automatic cord reels cause no undue abrasion or damage to the sheath of the flexible cord, no breakage of conductors strands and no undue wear of contacts	Wipotek Wipotek Wipotek Wipotek	otek N
Aupolog	Cord reel tested with 6000 operations, as specified	Aupolen Ann	AnWiel
Anbore	Electric strength test of 16.3, voltage of 1000 V applied	lek Anborek Anborek	Nipo
22.17	Spacers not removable from the outside by hand or by means of a screwdriver or a spanner	Anbotek Anbotek Anbote	N A
22.18	Current-carrying parts and other metal parts resistant to corrosion	Anbotek Anbor An	nboteP
22.19	Driving belts not relied upon to provide the required level of insulation, unless	Anbotek Anbotek	Anboi
Anbote	constructed to prevent inappropriate replacement	otek Anbotek Anbo	N
22.20	Direct contact between live parts and thermal insulation effectively prevented, unless	Anbotek Anbotek Anbo	N N
botek l	material used is non-corrosive, non-hygroscopic and non-combustible	Anborek Anborek A	iboteN N
22.21	Wood, cotton, silk, ordinary paper and fibrous or hygroscopic material not used as insulation, unless	K Anbotek Anbotek	Anbor
Anbore	impregnated	hotek Aupore And wotek	Pan
otek Anbi	This requirement does not apply to magnesium oxide and mineral ceramic fibres used for the electrical insulation of heating elements	Anbotek Anbotek Anbo	ek N
22.22	Appliances not containing asbestos	Anbotek Anbotes Ar	Po Bk
22.23	Oils containing polychlorinated biphenyl (PCB) not used	Anbotek Anbotek	Note Note







IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdic
otok b	noe k hotek Anbott An	anbote Anb	notek
22.24	Bare heating elements, except in class III appliances or class III constructions that do not contain live parts, adequately supported	Anbotek Anbotek A	N/k Anborte
k Anbotek	Heating elements constructed or supported so the are unlikely to become displaced in normal use. (IEC 60335-2-9	nbotes And tek abotek	N Ant
otek Ar	In case of rupture, the heating conductor is unlike to come in contact with accessible metal parts	Anbotek Anbotek Anbo	botek N
22.25	Sagging heating conductors, except in class III appliances or class III constructions that do not contain live parts, cannot come into contact with accessible metal parts	Anbotek Anbotek Anbotek	Anbore Anbore
22.26	For class III constructions the insulation between parts operating at safety extra-low voltage and other live parts complies with the requirements fo double or reinforced insulation	Anbotek Anbotek Anbot	N N
22.27	Parts connected by protective impedance separated by double or reinforced insulation	ek Anbotek Anbotek	Inbot N
22.28	Metal parts of Class II appliances conductively connected to gas pipes or in contact with water, separated from live parts by double or reinforced insulation	botek Anbotek Anbotek Anbotek Anbotek	Anbe
22.29	Class II appliances permanently connected to fixe wiring so constructed that the required degree of access to live parts is maintained after installation	hotek Anbors Air	otek N
22.30	Parts serving as supplementary or reinforced insulation fixed so that they cannot be removed without being seriously damaged, or	potek Anbotek Anbotek	Ant Pre
ootek Anb	so constructed that they cannot be replaced in an incorrect position, and so that if they are omitted, the appliance is rendered inoperable or manifest incomplete	isotek Anbore Ans	P Ar orek notek
22.31	Neither clearances nor creepage distances over supplementary and reinforced insulation reduced below values specified in clause 29 as a result of wear	otek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbolek Anbol
otek Anbr	Neither clearances nor creepage distances between live parts and accessible parts reduced below values for supplementary insulation if wires screws etc. become loose	Anbotek Anbotek Anbotek	Nan
22.32	Supplementary and reinforced insulation constructed or protected against pollution so that clearances or creepage distances are not reduce	k Anbotek Anbotek	Anbo P.k

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below the values in clause 29

clearances or creepage distances are not reduced



	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
oter p	Tube K Hotek Aupon All tek	And And	notek
Anbotek Anbotek	Supplementary insulation of natural or synthetic rubber resistant to ageing, or arranged and dimensioned so that creepage distances are not reduced below values specified in 29.2	Anbotek Anbotek Anbotek	Anborr Anborr
k Anb	Ceramic material not tightly sintered, similar materials or beads alone not used as supplementary or reinforced insulation	Thotek Anbotek Anbotek	°k N∵u _l
nbotek Anbotek	Insulating Ceramic and similar porous material in which heating conductors are embedded is considered to be basic insulation, not reinforced insulation	Anbotek Anbotek An	Anbotek
	Oxygen bomb test at 70 °C for 96 h and 16 h at room temperature	tek Anbotek Anbotek	N
22.33	Conductive liquids that are or may become accessible in normal use and conductive liquids that are in contact with unearthed accessible metal parts are not in direct contact with live parts, or	Anbotek Anbotek Anbotek Anbotek	otek obotek
	unearthed metal parts separated from live parts by basic insulation only	Anbotek Anbotek	Anboyel
PUBB	Electrodes not used for heating liquids	lek Anbo ek shotek	Nipo
botek Anbox	For class II constructions, conductive liquids that are or may become accessible in normal use and conductive liquids that are in contact with unearthed accessible metal parts, not in direct contact with basic or reinforced insulation, unless	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N p
Anborek	the reinforced insulation consists of at least 3 layers	ek Anbotek Anbotek	An N
Anbote Ant	For class II constructions, conductive liquids which are in contact with live parts, not in direct contact with reinforced insulation, unless	potek Anbotek Anbotel	N N
otek	the reinforced insulation consists of at least 3 layers	Anbotek Anbotek Anb	NetotelN
Anbotek Anbotek	An air layer not used as basic or supplementary insulation in a double insulation system if likely to be bridged by leaking liquid	k Anbotek Anbotek	Anb Neh
22.34	Shafts of operating knobs, handles, levers etc. not live, unless	otek Anbotek Anbotek	PAR
otek p	the shaft is not accessible when the part is removed	Anbotek Anbotek Anbo	potekP
22.35	For other than class III constructions, handles, levers and knobs, held or actuated in normal use, not becoming live in the event of a failure of basic insulation.	Anbotek Anbotek Anbotek	Anboh

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insulation







	IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict	
oten	up Aupor Anbor Air sek	abores And	potek	
	Such parts being of metal, and their shafts or fixings are likely to become live in the event of a failure of basic insulation, are either adequately covered by insulation material or their accessible parts are separated from their shafts or fixings by supplementary insulation	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbore Anbore	
otek Anbotek	This requirement does not apply to handles, levers and knobs on stationary appliances and cordless appliances, other than those of electrical components, provided they are reliably connected to an earthing terminal or earthing contact, or separated from live parts by earthed metal	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N I	
Anbore	Insulating material covering metal handles, levers and knobs withstand the electric strength test of 16.3 for supplementary insulation	tek Anbotek Anbotek	N _A nb ^r	
22.36	For appliances other than class III, handles continuously held in the hand in normal use so constructed that when gripped as in normal use, the operators hand is not likely to touch metal parts, unless	Anbotek Anbotek Anbotek Anbotek Anbotek	otek N Inbotek Anbotek	
Anbo.	they are separated from live parts by double or reinforced insulation	ek Anbotek Anbotek	Npo	
22.37	Capacitors in Class II appliances not connected to accessible metal parts and their casings, if of metal, separated from accessible metal parts by supplementary insulation, unless	Anbotek Anbotek Anbotek Anbotek Anbotek	nbotek	
Anbores	the capacitors comply with 22.42	Anbore And otek	AnbNiek	
22.38	Capacitors not connected between the contacts of a thermal cut-out	ek Anboreek Amborek	Noo	
22.39	Lamp holders used only for the connection of lamps	upotek Aupotek Aupote	N AT	
22.40	Motor-operated appliances and combined appliances intended to be moved while in operation, or having accessible moving parts, fitted with a switch to control the motor. The actuating member of the switch being easily visible and accessible	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	boteN Anbotek Anbot	
otek Anb	If the appliance cannot operate continuously, automatically or remotely without giving rise to a hazard, appliances for remote operation being fitted with a switch for stopping the operation. The actuating member of the switch being easily visible and accessible	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	ek NA	
- 100ter	Mark Wilson William	k hoter kno		

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mercury

22.41





No components, other than lamps, containing



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IEC 60335-2-9 And Andrew Andrew				
Clause	Requirement + Test	Result - Remark	Verdic	
oter I	ing K Potek Aupon VIII	abotes Anto	notek	
22.42	Protective impedance consisting of at least two separate components	Wipotek Wipotek W	Anborek	
Anborel	Values specified in 8.1.4 not exceeded if any one of the components are short-circuited or open-circuited	ortek Anbotek Anbotek	Anl Anl	
otek Vup.	Resistors checked by the test of 14.1 a) in IEC 60065	Anbotek Anbotek Anbot	N N	
nbotek	Capacitors checked by the tests for class Y capacitors in IEC 60384-14	Anbotek Anbotek An	Anbotek	
22.43	Appliances adjustable for different voltages, accidental changing of the setting of the voltage unlikely to occur	otek Anbotek Anbotek	Anh Anh	
22.44	Appliances not having an enclosure that is shaped or decorated like a toy	Tipotek Vipotek Vipotek Vipotek	F P	
22.45	When air is used as reinforced insulation, clearances not reduced below the values specified in 29.1.3 due to deformation as a result of an external force applied to the enclosure	Anbotek Anbotek Ant	nbotek Anbotek	
22.46	For programmable protective electronic circuits used to ensure compliance with the standard, the software contains measures to control the fault/error conditions in table R.1	nbotek Anbotek Anbotek	N _I b	
potek Anbotek	Software that contains measures to control the fault/error conditions specified in table R.2 is to be specified in parts 2 for particular constructions or to address specific hazards	Anbotek Anbotek Anb	N nboter Anbotel	
Anbor	These requirements are not applicable to software used for functional purpose or compliance with clause 11	Potek Vupotek Vupotek	No	
22.47	Appliances connected to the water mains withstand the water pressure expected in normal use	Anbotek Anbotek Anb	logek N	
Anbotes	No leakage from any part, including any inlet water hose	Anborek Anborek	AUP Nov	
22.48	Appliances connected to the water mains constructed to prevent backsiphonage of non-potable water	potek Anbotek Anbotek	N AC	
22.49	For remote operation, the duration of operation is to be set before the appliance can be started, unless	Anbotek Anbotek Anbo	N potek stek	
,motek	the appliance switches off automatically or can operate continuously without hazard	ak Anbotek Anbotek	Pupor N	









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V	IEC 60335-2-9	w when Aubore	bu.
Clause	Requirement + Test	Result - Remark	Verdic
oter	ing k hotek Aupor Air sek	And And	notek
22.50	Controls incorporated in the appliance take priority over controls actuated by remote operation	Anbotek Anbotek Ar	Anborek
22.51	There is a control on the appliance manually adjusted to the setting for remote operation before the appliance can be operated in this mode	otek Anbotek Anbotek	Anh Anh
otek Aup.	There is a visual indication showing that the appliance is adjusted for remote operation	nbotek Anbotek Anbot	N N
nbotek v	These requirements not necessary on appliances the without giving rise to a hazard:	nat can operate as follows,	N
Anbore	- continuously, or	Anbores And Arek	Note
Aupotek	- automatically, or	tek Aupoter Aupotek	N
anbo	- remotely	notek Anbotek Anbo.	N
22.52	Socket-outlets on appliances accessible to the user in accordance with the socket-outlet system used in the country in which the appliance is sold	Anbotek Anbotek Anbo	otek N
22.53	Class II appliances and class III appliances that incorporate functionally earthed parts have at least double insulation or reinforced insulation between live parts and the functionally earthed parts	ek Anbotek Anbotek	N Anbo
22.54	Button cells and batteries designated R1 not accessible without the aid of a tool, unless	botek Anbotek Anbote	N P
botek	the cover of their compartment can only be opened after at least two independent movements have been applied simultaneously	Anbotek Anbotek Anb	nbote ^N
22.55	Devices operated to stop the intended function of the appliance, if any, are be distinguished from other manual devices by means of shape, size, surface texture or position	otek Anbotek Anbotek	Anbo Anbo
otek Au	The requirement concerning position does not preclude use of a push on push off switch	Anbotek Anbotek Anbr	iek N
notek	An indication when the device has been operated is	given by:	100 Tek
Anbotek	tactile feedback from the actuator or from the appliance, or	k Anbotek Anbotek	Anbo,
Anbore	- reduction in heat output; or	otek Anbore And work	N
k Aug	- audible and visible feedback	sbotek Anbore And	e⊬ N
22.56	Detachable power supply part provided with the part of class III construction	Anbotek Anbotek Ant	poteVN
22.57	The properties of non-metallic materials do not degrade from exposure to UV-C radiation, as specified in Annex T	Anbotek Anbotek	Anboli Anboli









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h. b	IEC 60335-2-9	oo Anbore	AU
Clause	Requirement + Test	Result - Remark	Verdict
oten A	hos k hotek Anbor Arr	abores And	potek
Anbotek	This requirement does not apply to glass, ceramics or similar materials	Anbotek Anboro Al	Anborek
22.101	Radiant grills: no timer that is intended to delay the operation of a heating element, (IEC 60335-2-9)	otek Aupotek Aupotek	A.Note
	Unless having a thermostat and being incorporated in an oven or other compartment, (IEC 60335-2-9)	Anbotek Anbotek Anbot	N P
inbotek nbotek	Hotplates shall not incorporate a timer that is intended to delay the operation of a heating element. (IEC 60335-2-9)	Anbotek Anbotek	Anbo Ne
22.102	Barbecue shall not be provided with bare heating elements (IEC 60335-2-9)	tek Anbotek Anbotek	Anbo
itek Anbo.	Oven: heating elements with bare conductors at the top only (IEC 60335-2-9)	hotek Anborek Anbor	K N M
22.103	Oven vents constructed so that moisture or grease cannot reduce the clearances and creepage distances. (IEC 60335-2-9)	Anbotek Anbotek Ant	N Inbotes
22.104	Ovens constructed so that shelves can easily slide in the supports and do not fall out of position when the sides are displaced as much as possible. (IEC 60335-2-9)	botek Anbotek Anbotek	Anbo
22.105	Appliances have not openings on the underside that would allow small items to penetrate and touch live parts. (IEC 60335-2-9)	Anborek Anborek Anb	nbotek
Anbotek	Distance measured between the supporting surface and live parts through openings (IEC 60335-2-9)	ek Anbotek Anbotek	Anbot



P

Distance requested as specified:(IEC 60335-2-9)



Clause Requirement + Test C2.106 Grills and barbecues constructed so that their heating elements are fixed in position or prevented from operating when they are not in their normal	Result - Remark	Verdic
heating elements are fixed in position or prevented		
heating elements are fixed in position or prevented		potek
position of use. (IEC 60335-2-9)	Anbotek Anbotek Anbotek	Anbort Anbort
Hotplate constructed so that heating elements are prevented from rotating about a vertical axis and are adequately supported in all positions of adjustment of their supports. (IEC 60335-2-9)	Anbotek Anbote	Nani otek
Hotplate constructed so that inadvertent operation of touch controls is unlikely if this could give rise to a hazardous situation due to spillage of liquids or damp cloth placed on the control panel, and complies with test as specified(IEC 60335-2-9)	otek Anbotek Anbotek	Anbore Anbore
Hotplate incorporating touch controls constructed so that at least two manual operations are requested to switch on a heating element but only one to switch it off(IEC 60335-2-9)	Anbotek Anbotek Anbotek	otek N
Induction hotplates constructed so that they can only be operated with a suitable vessel placed on the cooking zone (IEC 60335-2-9)	ek Anbotek Anbotek	An N her
Temperature rise of iron not exceeding 35K (IEC 60335-2-9)	nbotek Anbotek Anbote	N p
Heating element in breadmakers located so they are not exposed to dough that they may rise over the edge of the dough container during normal use of the appliance(IEC 60335-2-9)	Anbotek Anbotek Anbotek	N nbotek Anbotek
Reconnection of the power supply to a breadmaker after an interruption shall not result in a fire due to an extended heating period(IEC 60335-2-9)	Potek Vipotek Vipotel	N
All batteries are removed and the breadmaker is supplied at rated voltage and operated in heating mode without load(IEC 60335-2-9)	Anbotek Anbotek Anbotek A	N botek tek
The appliance shall eventually require a manual operation to restart it(IEC 60335-2-9)	ok Anbotek Anbotek	Anbol N
Toasters having an ejector mechanism shall be constructed so that they switch off automatically after the normal toasting time even if the ejector mechanism is blocked by the bread.	Anbotek Anbotek Anbotek	N An
(IEC 60335-2-9) 2.114 Heating elements in candy floss appliances shall	Vipo, bi.	N _K







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V	IEC 60335-2-9	Totek Anbote	b.u.
Clause	Requirement + Test	Result - Remark	Verdic
Of St	upo K Motek Aupole Au	anboten Anbe	notek
22.115	For appliances incorporating a hotplate with at least one heating unit controlled by an electronic circuit, safety shall not be impaired in the event of a fault in the electronic circuit. (IEC 60335-2-9)	Anbotek Anbotek Anbotek	Anbore Anbore
23	INTERNAL WIRING		ant
23.1 Anbo	Wireways smooth and free from sharp edges	botek Anbote Ann	k P
Hek Ar	Wires protected against contact with burrs, cooling fins etc.	Anbotek Anbotek Anb	otekP
abotek	Wire holes in metal well-rounded or provided with bushings	Anbotek Anbotek	Anbo'N
Anbotek	Wiring effectively prevented from coming into contact with moving parts	rek Anbotek Anbotek	Ant Ant
23.2	Beads etc. on live wires cannot change their position, and are not resting on sharp edges	ibotek Anbotek Anbote	k N
botek	Beads inside flexible metal conduits contained within an insulating sleeve	Anbotek Anbotek Ant	N
23.3	Electrical connections and internal conductors movable relatively to each other not exposed to undue stress	ek Anbotek Anbotek	Anthre
Aupose	Flexible metallic tubes not causing damage to insulation of conductors	botek Anbotek Anbotel	N
br.	Open-coil springs not used	Anbore Anb	N
nbotek .	Adequate insulating lining provided inside a coiled spring, the turns of which touch one another	Anbotek Anbotek A	nboteN hotel
Anbotek	No damage after 10 000 flexings for conductors flexed during normal use, or	ak Anbotek Anbotek	Anb.
k Vupo	100 flexings for conductors flexed during user maintenance	potek Anbotek Anbotek	N _P
otek p	Electric strength test of 16.3, 1000 V between live parts and accessible metal parts	Anbotek Anbotek Anbo	N
inbotek hotek	Not more than 10% of the strands of any conductor broken, and	Anbotes Anbotek	AUP No.
Anbotek	not more than 30% for wiring supplying circuits that consume no more than 15W	otek Anbotek Anbotek	N
tek Anbo	Appliance with 2 stop positions: 10000 flexings made with moving part fully opened (IEC 60335-2-9)	Anbotek Anbotek Anbot	ek N
23.4	Bare internal wiring sufficiently rigid and fixed	anbotek Anbote An	~oN/k
23.5	The insulation of internal wiring subjected to the supply mains voltage withstanding the electrical stress likely to occur in normal use	Anbotek Anbotek	Pot







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V	IEC 60335-2-9	k Lotek Anbe	
Clause	Requirement + Test	Result - Remark	Verdict
oten by	ing K Potek Aupon Will	And And	notek
anbotek Anbotek	Basic insulation electrically equivalent to the basic insulation of cords complying with IEC 60227 or IEC 60245, or	Anbotek Anbotek Ar	Amborit
k Anbotek	no breakdown when a voltage of 2000 V is applied for 15 min between the conductor and metal foil wrapped around the insulation	stek Anbotek Anbotek	P Anb
abotek An	For class II construction, the requirements for supplementary insulation and reinforced insulation apply,	Anbotek Anbotek Anb	otek N hotek
Anbotek Anbotek	except that the sheath of a cord complying with IEC 60227 or IEC 60245 may provide supplementary insulation.	tek Anbotek Anbotek	Anborel
Anbor	A single layer of internal wiring insulation does not provide reinforced insulation	abotek Anbotek Anbot	N
23.6	Sleeving used as supplementary insulation on internal wiring retained in position by clamping at both ends, or	Anbotek Anbotek Ant	otek P
Anborek	be such that it can only be removed by breaking or cutting	ek upotek Anbotek	An Nier
23.7	The colour combination green/yellow only used for earthing conductors	botek Anbotek Anbote	N Ar
23.8	Aluminium wires not used for internal wiring	Anbotek Anbo. A.	otel ^k P
23.9	Stranded conductors not consolidated by soldering where they are subjected to contact pressure, unless	Anbotek Anbotek	nbotek Nabotek
Anbotek	the contact pressure is provided by spring terminals	ek Anbotek Anbotek	Noot
23.10 Anno	The insulation and sheath of internal wiring, incorporated in external hoses for the connection of an appliance to the water mains, at least equivalent to that of light polyvinyl chloride sheathed flexible cord (60227 IEC 52)	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Potek N Vu
24	COMPONENTS		Vupo.
24.1	Components comply with safety requirements in relevant IEC standards	otek Anbotek Anbotek	NP Poor
k Anbo	List of components	(see appended table)	P P
otek Ar	Motors not required to comply with IEC 60034-1, they are tested as part of the appliance	Anbotek Anbotek Anbo	potekP
inpose.	Relays tested as part of the appliance, or	Anbores And	Nupo N k
"potek	alternatively acc. to IEC 60730-1, and meeting the	L abover Anbox	Note







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At .	IEC 60335-2-9	in total Anbo	100
Clause	Requirement + Test	Result - Remark	Verdict
poter p	nbo k hotek Anbor Arr.	abore. Anti-	potek
Anbotek Anbotek	The requirements of Clause 29 apply between live parts of components and accessible parts of the appliance	Anbotek Anbotek A	Anbore
Anbotel Anbo	Components can comply with the requirements for clearances and creepage distances for functional insulation in the relevant component standard	ostek Anbotek Anbotek	N Ant
unbotek A	30.2 of this standard apply to parts of non-metallic material in components including parts of non-metallic material supporting current-carrying connections	Anbotek Anbotek Anbotek Anbotek Anbotek	botek P Anbotek
Anbotek Anbotek	Components that have not been previously tested to comply with the IEC standard for the relevant component are tested according to the requirements of 30.2	etek Anbotek Anbotek	An Porto
nbotek Anbotek	Components that have been previously tested to comply with the resistance to fire requirements in the IEC standard for the relevant component need not be retested provided the specified conditions are met	Anbotek Anbotek Anbotek An	anbotek Anbotek
Anboten	If these conditions are not satisfied, the component is tested as part of the appliance.	bek Anbotek Anbotek	Panbo
rek An	Power electronic converter circuits not required to comply with IEC 62477-1, they are tested as part of the appliance	Anbotek Anbotek Anbote	otek N M
Anbotek Anbotek	If components have not been tested and found to comply with relevant IEC standard for the number of cycles specified, they are tested in accordance with 24.1.1 to 24.1.9	Anbotek Anbotek	Anbotek Anbotek
tek Anbore	For components mentioned in 24.1.1 to 24.1.9 no additional tests specified in the relevant component standard are necessary other than those specified in 24.1.1 to 24.1.9	Anbotek Anbotek Anbotek Anbotek	P Ari
Anbotek Anbotek	Components not tested and found to comply with relevant IEC standard and components not marked or not used in accordance with its marking, tested under the conditions occurring in the appliance	Anbotek Anbotek Anbotek	Anbotek Anbotek
potek Anbore	Lampholders and starterholders that have not being tested and found to comply with the relevant IEC standard, tested as a part of the appliance and additionally according to the gauging and interchangeability requirements of the relevant IEC	otek Aupoter Aug	N _{Ant}









oduct Safety	Page 47 of	144 Report No.: 18250S0	C3003810	
IEC 60335-2-9				
Clause	Requirement + Test	Result - Remark	Verdict	
botek	Aupotek Aupotek Aupo	Sorek Anbors All	-otek	
Anbotek Anbotek	No additional tests specified for nationally standardized plugs such as those detailed in IEC/TR 60083 or connectors complying with the standard sheets of IEC 60320-1 and IEC 60309	Anbotek Anbotek Anbotek	Anbore!	
24.1.1	Capacitors likely to be permanently subjected to the supply voltage and used for radio interference suppression or for voltage dividing, complying with IEC 60384-14	Thotek Anbotek Anbotek	N.obs	
anbotek anbotek	If the capacitors have to be tested, they are tested according to Annex F	Anbotek Anbotek An	AnboiN-	
24.1.2	Transformers in associated switch mode power supplies comply with Annex BB of IEC 61558-2-16	tek Anbotek Anbotek	PLUNO.	
k Aupr	Safety isolating transformers complying with IEC 61558-2-6	abotek Anbotek Anbot	K N	
otek A	If they have to be tested, they are tested according to Annex G	Anbotek Anbotek Ant	otek N	
24.1.3	Switches complying with IEC 61058-1, the number of cycles of operation being at least 10 000	Anbotek Anbotek	Anbotek	
Anboren	If they have to be tested, they are tested according to Annex H	lek Anborek Anborek	Nibol	
otek bu	If the switch operates a relay or contactor, the complete switching system is subjected to the test	Anbotek Anbotek Anbote	otek N An	
hotek Anbotek	If the switch only operates a motor staring relay complying with IEC 60730-2-10 with the number of cycles of a least 10 000 as specified, the complete switching system need not be tested	Anbotek Anbotek Anbotek	nboteN Anbotek	
Anbot Anbot	Switches controlling heating elements of hotplates subjected to 30 000 cycles of operation(IEC 60335-2-9)	Sotek Anbotek Anbotek	N	
potek	Switches controlling heating elements of hotplates toaster subjected to 50000 cycles of operation (IEC 60335-2-9)	Anbotek Anbotek Anbo	N	
24.1.4	Automatic controls complying with IEC 60730-1 with number of cycles of operation being at least:	n the relevant part 2. The	Vupo,	
anbote	- thermostats: 10 000	otek Anbotek Anbot	P	
V	- temperature limiters: 1 000	k sofet anbote	N N	

300

30

1 000

Shenzhen Anbotek Compliance Laboratory Limited

outs:

thermal cut-outs:





N.

N.

No

- self-resetting thermal cut-outs:

- voltage maintained non-self-resetting

- other non-self-resetting thermal cut-



	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
otek Ar	ha wotek Aubota, Aug	abotek Anbou	notek
sbotek	- timers: 3 000	abotek Anbote Ar	N
Anbotek	- energy regulators for automatic action 100 000 (IEC 60335-2-9):	Anbotek Anbotek	Anbote
Anbo,	- energy regulators for manual action 10 000 (IEC 60335-2-9):	stek Anbotek Anbotek	N _{xn} b
otek An	Self-resetting thermal cut-outs for heating elements of glass-ceramic hotplates (IEC 60335-2-9)	Anbotek Anbotek Anbo	potek N
Anbotek	Self-resetting thermal cut-outs for other hotplates (IEC 60335-2-9)	Anbotek Anbotek	Anbotel
tek Anbote	The number of cycles for controls operating during clause 11 need not be declared, if the appliance meets the requirements of this standard when they are short-circuited	ibotek Anbotek Anbotek	Nup.
hotek	Thermal motor protectors are tested in combination with their motor under the conditions specified in Annex D	Anbotek Anbotek An	inbotek hotek
Anbotek Anbote	For water valves containing live parts and that are incorporated in external hoses for connection of an appliance to the water mains, the degree of protection declared for subclause 6.5.2 of IEC 60730-2-8 is IPX7	ek Anbotek Anbotek botek Anbotek Anbotek	Anbo Anbo
potek p	Thermal cut-outs of the capillary type comply with the requirements for type 2.K controls in IEC 60730-2-9	Anbotek Anbotek Ant	nboteN hotek
24.1.5	Appliance couplers complying with IEC 60320-1	ek abotek Anbote	N
anbotel Anbotel	However, for class II appliances classified higher than IPX0, the appliance couplers complying with IEC 60320-2-3	Sotek Anbotek Anbotel	N Ari
otek A	Interconnection couplers complying with IEC 60320-2-2	Anbotek Anbotek Anb	NotelN
Anbotek Anbotek	Appliance couplers incorporating thermostats, thermal cut-outs or fuses comply with IEC 60320-1, with exceptions specified in IEC 60335-9 (IEC 60335-2-9)	Anbotek Anbotek Anbotek Anbotek Anbotek	Anb Nok
k Aupo,	Not applicable to conditions as specified (IEC 60335-2-9)	inbotek Anbotek Anbo	N N
24.1.6	Small lamp holders similar to E10 lampholders complying with IEC 60238, the requirements for E10 lampholders being applicable	Anbotek Anbotek Ar	poter N







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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
oter A	no k hotek Anbor Ari tek	abotet Anti	motel
24.1.7	For remote operation of the appliance via a telecommunication network, the relevant standard for the telecommunication interface circuitry in the appliance is IEC 62151	Anbotek Anbotek Anbotek	Anbore Anbore
24.1.8	The relevant standard for thermal links is IEC 60691	botek Anbotek Anbotek	N _i nb
nbotek Ar	Thermal links not complying with IEC 60691 are considered to be an intentionally weak part for the purposes of Clause 19	Anbotek Anbotek Anbotek Ar	botek N botek
24.1.9	Contactors and relays, other than motor starting relays, tested as part of the appliance	Anbotek Anbotek	Anbotel Anbotel
Anbot Anbot	They are also tested in accordance with Clause 17 of IEC 60730-1, the number of cycles of operations in 24.1.4 selected according to the contactor or relay function in the appliance:	hotek Anbotek Anbotek	Nobe A
24.2	Appliances not fitted with:	An Anboten An	otek
hotek	- switches or automatic controls in flexible cords	An hotek Anbotek	Prek
Anbotek	- devices causing the protective device in the fixed wiring to operate in the event of a fault in the appliance	lek Anbotek Anbotek	Anno
ek Ank	- thermal cut-outs that can be reset by soldering, unless	Anbotek Anbotek Anbot	natek N Ar
botek	the solder has a melding point of at least 230 °C	anbotek Anbors Air	woteN
24.3	Switches intended for all-pole disconnection of stationary appliances are directly connected to the supply terminals and have a contact separation in all poles, providing full disconnection under overvoltage category III conditions	Anbotek Anbotek Anbotek	Anbot Anbot
24.4 AND	Plugs and socket-outlets for extra-low voltage circuits and heating elements, not interchangeable with plugs and socket-outlets listed in IEC/TR 60083 or IEC 60906-1 or with connectors and appliance inlets complying with the standard sheets of IEC 60320-1	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	anbotek
24.5	Capacitors in auxiliary windings of motors marked with their rated voltage and capacitance, and used accordingly	totek Anbotek Anbotek	N Ant
otek A	Voltage across capacitors in series with a motor winding does not exceed 1,1 times rated voltage, when the appliance is supplied at 1,1 times rated voltage under minimum load	Vupotek Vupotek Vupo	N potek otek







Aug	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	erdic
oten b	upo ak apotek Aupois Ali	anboren Anb	4
24.6	Working voltage of motors connected to the supply mains and having basic insulation that is inadequate for the rated voltage of the appliance, not exceeding 42 V	Anbotek Anbotek Anb	N _o rboth
Anbo	In addition, the motors comply with the requirements of Annex I	hotek Anbotek Anbotek	Na
24.7	Detachable hose-sets for connection of appliances to the water mains comply with IEC 61770	Anbotek Anbotek Anbotek	N
hore	They are supplied with the appliance	Ambores Ambo	N
Anbotek	Appliances intended to be permanently connected to the water mains not connected by a detachable hose-set	tek Anbotek Anbotek A	n Note
24.8	Motor running capacitors in appliances for which 30.2.3 is applicable and that are permanently connected in series with a motor winding, not causing a hazard in event of a failure	Anbotek Anbotek Anbotek	N
hotek	One or more of the following conditions are to be more	et: Anbotek Anbotek Inbe	N
Anbotek	- the capacitors are of class P2 according to IEC 60252-1	ek Anbotek Anbotek Ar	N Anb
ak Aupot	- the capacitors are housed within a metallic or ceramic enclosure	botek Anbotek Anbotek	N
ootek Am	- the distance of separation of the outer surface to adjacent non-metallic parts exceeds 50 mm	Anbotek Anbotek Anbotek	N
Anbotek	- adjacent non-metallic parts within 50 mm withstand the needle-flame test of Annex E	Anbotek Anbotek An	Nel
Anbore	- adjacent non-metallic parts within 50 mm classified as at least V-1 according to IEC 60695-11-10	otek Anbotek Anbotek	Noc
24.101	Thermostats and energy regulators incorporating an off position: off position maintained under test conditions (IEC 60335-2-9)	Anbotek Anbotek Anbotek Anbotek	N ak otek
Anbotel Anbotel	Thermostats and energy regulators incorporating an off position: no breakdown after application of 500V across the contacts not switch on as a result of variations in ambient temperature (IEC 60335-2-9)	otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N _{Anbo}
24.102	Thermal cut-outs incorporated in food dehydrators in order to comply with 19.4 are non-self-resetting (IEC 60335-2-9)	Anbotek Anbotek Anbotek	N otek





SUPPLY CONNECTION AND EXTERNAL FLEXIBLE CORDS



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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdic
Of St.	upp K Hopois Will Hok	aboren And	potek
25.1	Appliance not intended for permanent connection to connection to the supply:	fixed wiring, means for	Anbotek
Anborek Anborek	- supply cord fitted with a plug, the current rating and voltage rating of the plug being not less than the corresponding ratings of its associated appliance	otek Anbotek Anbotek	Ar Port
ipotek Vi	- an appliance inlet having at least the same degree of protection against moisture as required for the appliance, or	Anbotek Anbotek Anb	otek N notek
aborek	- pins for insertion into socket-outlets	, abotek Anbote	N
	Appliances incorporating an appliance inlet other than those standardized in IEC 60320-1,shall be supplied with a cord set (IEC 60335-2-9)	tek Anbotek Anbotek Ibotek Anbotek Anbotek	And And
25.2	Appliance not provided with more than one means of connection to the supply mains	Anbotok Anbotek Ant	otek P
Anbotek Anbotek	Stationary appliance for multiple supply may be provided with more than one means of connection, provided electric strength test of 1250 V for 1 min between each means of connection causes no breakdown	lek Anbotek Anbotek Anbotek Anbotek Anbotek	Anborel
25.3	Appliance intended to be permanently connected to of the following means for connection to the supply		N week
ootek	- a set of terminals allowing the connection of a flexible cord	Anbotek Anbotek A	nbo ^{te} N hote ^l
nbotek	- a fitted supply cord	ek abotek Anbote	Ame N
Anbote	- a set of supply leads accommodated in a suitable compartment	potek Anbotek Anbotek	N
otek otek unbotek	- a set of terminals for the connection of cables of fixed wiring, cross-sectional areas specified in 26.6, and the appliance allows the connection of the supply conductors after the appliance has been fixed to its support	Anbotek Anbotek Anbotek Anbotek	lek N botek Anbotek
Anbore Anbore	- a set of terminals and cable entries, conduit entries, knock-outs or glands, allowing connection of appropriate types of cable or conduit, and the appliance allows the connection of the supply conductors after the appliance has been fixed to its support	otek Anbotek Anbotek Inbotek Anbotek Anbotek Anbotek Anbotek Anbotek	ek Ar
Anbotek Anbotek	For a fixed appliance constructed so that parts can be removed to facilitate easy installation, this requirement is met if it is possible to connect the fixed wiring without difficulty after a part of the appliance has been fixed to its support	Anbotek Anbotek Anbotek	Anboh Anboh







	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdic
oter A	ups Aubous Aller	anbores Anti-	potek
25.4	Cable and conduit entries, rated current of appliance not exceeding 16 A, dimension according to table 10 (mm):	Anbotek Anbotek	Anborek
Anbotek	Introduction of conduit or cable does not reduce clearances or creepage distances below values specified in clause 29	hotek Anbotek Anbotek	N Anl
25.5	Method for assembling the supply cord to the applia	nce:	rek-
rotek	- type X attachment	Ann Anbotek Anl	N
in otek	- type Y attachment	And otek anbotek	Aupo P
Aug	- type Z attachment, if allowed in relevant part 2	And otek Anbotek	PUN
Anbot	Type X attachment, other than those with a specially prepared cord, not used for flat twin tinsel cords	ibotek Anbotek Anbotek	Not
botek Anbotek	For multi-phase appliances supplied with a supply cord and that are intended to be permanently connected to fixed wiring, the supply cord is assembled to the appliance by type Y attachment	Anbotek Anbotek Anbotek	otek N Inbotek
25.6	Plugs fitted with only one flexible cord	ek Anbotek Anbo.	P
25.7	Supply cords, other than for class III appliances, bei	ng one of the following types:	Pri.
sk of	- rubber sheathed (at least 60245 IEC 53)	be tek abotek Anbors	N
otek	- polychloroprene sheathed (at least 60245 IEC 57)	Anbotek Anbotek Anb	obotek N
Anbotek	- polyvinyl chloride sheathed. Not used if they are lik a temperature rise exceeding 75 K during the test of		Anborel
	 light polyvinyl chloride sheathed cord (60227 IEC 52), for appliances not exceeding 3 kg 	Sotek Anbotek Anbotek	N
otek b	ordinary polyvinyl chloride sheathed cord (60227 IEC 53), for other appliances	Anbotek Anbotek Anbo	hotek
inbotek etek	- heat resistant polyvinyl chloride sheathed. Not use than specially prepared cords	d for type X attachment other	Anborek
Anbotek	heat-resistant light polyvinyl chloride sheathed cord (60227 IEC 56), for appliances not exceeding 3 kg	otek Anbotek Anbotek	PN ₀
yek Au	heat-resistant polyvinyl chloride sheathed cord (60227 IEC 57), for other appliances	Anborek Anborek Anbor	ootek ootek
nbotek	Supply cords for class III appliances adequately insulated	Anbotek Anbotek At	Anbolyk
Aupor	Test with 500 V for 2 min for supply cords of class	K Wingows Wing	AIN OF

Shenzhen Anbotek Compliance Laboratory Limited





III appliances that contain live parts



	IEC 60335-2-9	poter And tek unbotek	
Clause	Requirement + Test	Result - Remark	Verdict
otek Ar	to toke Aupolas, Ving.	abotek Anbo A	notek
	-supply cord of appliances intended for outdoor use shall be polychloroprene sheathed (IEC 60335-2-9)	Anbotek Anbotek Anbotek	Anborek
25.8	Nominal cross-sectional area of supply cords not less than table 11; rated current (A); cross-sectional area (mm²)	hotek Anbotek Anbotek	P Anb
25.9	Supply cords not in contact with sharp points or edges	Anbotek Anbotek Anb	potek P
25.10	Supply cord of class I appliances have a green/yellow core for earthing	Anborek Anborek	Anbo'N
Anbotek	In multi-phase appliances, the colour of the neutral conductor of the supply cord is blue.	tek Anbotek Anbotek	Anbo
25.11 Anbox	Conductors of supply cords not consolidated by soldering where they are subject to contact pressure, unless	Anbotek Anbotek Anbotek	otek N A
botek	the contact pressure is provided by spring terminals	Anbotek Anbotek	Mrodny
25.12	Insulation of the supply cord not damaged when moulding the cord to part of the enclosure	ek Anbotek Anbotek	AnN Anbo
25.13	Inlet openings so constructed as to prevent damage to the supply cord	botek Anbotek Anbote	N pr
Jotek Andrek	If it is not evident that the supply cord can be introduced without risk of damage, a non-detachable lining or bushing complying with 29.3 for supplementary insulation provided	Anbotek Anbotek Anb	hbotek
Anbotek Anbotek	If unsheathed supply cord, a similar additional bushing or lining is required, unless the appliance is	orek Anbotek Anbotek	N _{bot}
k Anbo	class 0, or	hotek Anborek Anbo	ek N
otek N	a class III appliance not containing live parts	Anborek Anborek Anbr	N
25.14	Supply cords moved while in operation adequately protected against excessive flexing	Anborek Anborek A	N _k
Anboron	Flexing test, as described:	arboier Amb	Note
Anborek	- applied force (N)	orek Anboreh Anbo	N
anbo	- number of flexings:	work Anborek Anbor	ek N
rek	The test does not result in:	Ariba Abotek Ando	N
). by	The most of the second	Pipo, by	noto.

conductor

current



N

the current exceeds a value of twice the rated

- breakage of more than 10% of the strands of any



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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
oter I	rup. Kotek Aupon bir.	anboren Anb	potek
-botek	- separation of the conductor from its terminal	abotek Anbote A	N×
bolek.	- loosening of any cord guard	k hotek Anboter	And N
Ar. hotel	- damage to the cord or the cord guard	ak hotek Anboten	PN
k Anb	- broken strands piercing the insulation and becoming accessible	obotek Anbotek Anbotek	Nanio Rek
25.15	For appliances with supply cord and appliances to be permanently connected to fixed wiring by a flexible cord, conductors of the supply cord relieved from strain, twisting and abrasion by use of cord anchorage	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	unbotek Anbotek
Anbote.	The cord cannot be pushed into the appliance to such an extent that the cord or internal parts of the appliance can be damaged	tek Anbotek Anbotek	P _{Anb} o
otek Ar	Pull and torque test of supply cord:	nbotek Anbote An	otek -
nbotek	- fixed appliances: pull 100 N; torque (not on automatic cord reel) (Nm):	Anbotek Anbotek An	unbot N
Anbotek Anbotek	- other appliances: values shown in table 12: mass (kg); pull (N); torque (not on automatic cord reel) (Nm)	100 N, 0,35 Nm	Anbo
rek An	Pull and torque test of supply cord, values shown in table 12: mass (kg); pull (N); torque (not on automatic cord reel) (Nm):	100 N, 0,35 Nm	otek P Ar
botek	Cord not damaged and max. 2 mm displacement of the cord	Less than 2mm	nbotek P
25.16	Cord anchorages for type X attachments constructed	ed and located so that:	N .
Pur	- replacement of the cord is easily possible	ok hotek Anbotek	N
ek Au	- it is clear how the relief from strain and the prevention of twisting are obtained	obetek Anbotek Anbotek	N An
potek	- they are suitable for different types of supply cord	abotek Anbores And	wote'N
Anbotek	- cord cannot touch the clamping screws of cord anchorage if these screws are accessible, unless	Anbotek Anbotek	Aupolek Wek
Anbore	they are separated from accessible metal parts by supplementary insulation	otek Anbotek Anbotek	N _o
ik Aup	- the cord is not clamped by a metal screw which bears directly on the cord	unbotek Anbotek Anbote	N N
hotek (- at least one part of the cord anchorage securely fixed to the appliance, unless	Anbotek Anbotek A	pote ^K N
Aug	it is part of a specially prepared cord	Arra Abolek	Anbol N









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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
Ofer P	hotek Anbols Am	nbotel And	notek
	- screws which have to be operated when replacing the cord do not fix any other component, unless	Anbotek Anbotek Ar	Anbore
Anbotek	the appliance becomes inoperative or incomplete or the parts cannot be removed without a tool	otek Anbotek Anbotek	N
otek Anbe	- if labyrinths can be bypassed the test of 25.15 is nevertheless withstood	nbotek Anbotek Anbot	N I
nbotek	- for class 0, 0I and I appliances they are of insulating material or are provided with an insulating lining, unless	Anbotek Anbotek An	N. Anbotes
Anbotek	failure of the insulation of the cord does not make accessible metal parts live	tek Anbotek Anbotek	And Anbr
tek Aupo	- for class II appliances they are of insulating material, or	abotek Anbotek Anbote	+ N p
hotek	if of metal, they are insulated from accessible metal parts by supplementary insulation	Anbotek Anbotek Ant	o N
Anbotek Anbotek	After the test of 25.15, under the conditions specified, the conductors have not moved by more than 1 mm in the terminals	ek Anbotek Anbotek	And Nrek
25.17	Adequate cord anchorages for type Y and Z attachment, test with the cord supplied with the appliance	Type Y	. P Ar
25.18	Cord anchorages only accessible with the aid of a tool, or	Anbotek Anbotek An	nboteP
Anbotek	Constructed so that the cord can only be fitted with the aid of a tool	ek Anbotek Anbotek	Ant N
25.19	Type X attachment, glands not used as cord anchorage in portable appliances	ootek Anbotek Anbotel	N
otek Ane	Tying the cord into a knot or tying the cord with string not used	Anbotes Anbotek Anbr	iek N
25.20	The insulated conductors of the supply cord for type Y and Z attachment additionally insulated from accessible metal parts	Type Y	Anbotek Anbotek
25.21	Space for supply cord for type X attachment or for constructed:	onnection of fixed wiring	N Ant
otek Pup.	- to permit checking of conductors with respect to correct positioning and connection before fitting any cover	Anbotek Anbotek Anbo	ootek N
unboter	- so there is no risk of damage to the conductors or their insulation when fitting the cover	Anbotek Anbotek	AnboN ^k







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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
otek p	upper K Motek Autores Aug.	anbotel Anber	notek
	- for portable appliances, so that the uninsulated end of a conductor, if it becomes free from the terminal, prevented from contact with accessible metal parts	Anbotek Anbotek Anbotek	Anbore Anbore
k Anb	2 N test to the conductor for portable appliances; no contact with accessible metal parts	botek Anbotek Anbotek	N _e rit
25.22	Appliance inlets:	Anbotek Anbotek Anbo	, ek N
nbotek	- live parts not accessible during insertion or removal	Anborek Anborek An	N
Anborek	Requirement not applicable to appliance inlets complying with IEC 60320-1	Anborek Anborek	Ambre
Pu.,	- connector can be inserted without difficulty	or An hotek Anbotek	N.nic
Plus	- the appliance is not supported by the connector	hipotes And motek Anbote	N P
Potek Vi	- not for cold conditions if temp. rise of external metal parts exceeds 75 K during clause 11, unless	Anborek Anborek Anb	orek N
Anborek	the supply cord is unlikely to touch such metal parts	Anbotek Anbotek	Anborel
25.23	Interconnection cords comply with the requirements for the supply cord, except that:	ntek Anbotek Anbotek	Moo
ek Ant	the cross-sectional area of the conductors is determined on the basis of the maximum current during clause 11	Anbotek Anbotek Anbotek	stek N P
otek	- the thickness of the insulation may be reduced	Ant otek anbotek A	Upo. N
Augo	If necessary, electric strength test of 16.3	And otek Anbotek	VUPO.
25.24	Interconnection cords not detachable without the aid of a tool if compliance with this standard is impaired when they are disconnected	botek Anbotek Anbotek	N _{po}
25.25	Dimensions of pins that are inserted into socket- outlets compatible with the dimensions of the relevant socket-outlet.	Anbotek Anbotek Anbo	botek N
Anbotek Anbotek	Dimensions of pins and engagement face in accordance with the dimensions of the relevant plug in IEC/TR 60083	ek Anbotek Anbotek	Anb N
26	TERMINALS FOR EXTERNAL CONDUCTORS	Low told - Mr	An
26.1	Appliances provided with terminals or equally effective devices for connection of external conductors	Anbotek Anbotek Anbot	e ^k P
Inbotek	Terminals only accessible after removal of a non- detachable cover, except	k Anbotek Anbotek	Anbop hor
Anbotek	for class III appliances that do not contain live parts	otek Anbotek Anbotek	Ani Ani







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y0	IEC 60335-2-9	ou kotek Anbotes	DU
Clause	Requirement + Test	Result - Remark	Verdict
otek bi	ing K Polek Wilhous Will Felt	- abotel Ande	notek
Anbotek Anbotek	Earthing terminals may be accessible if a tool is required to make the connections and means are provided to clamp the wire independently from its connection	Anbotek Anbotek Anbotek	Anborek Anbore
26.2	Appliances with type X attachment and appliances for the connection of cables to fixed wiring provided with terminals in which connections are made by means of screws, nuts or similar devices, unless	nbotek Anbotek Anbotek Anbotek Anbotek Anbot	Nanb otek
	the connections are soldered	Anbo tek abotek	Aupolo
Anborek	Screws and nuts not used to fix any other component, except	tek Anbotek Anbotek	PLN ₂
hek Anboh	internal conductors, if so arranged that they are unlikely to be displaced when fitting the supply conductors	jbotek Anbotek Anbotek Anbote	k N
anbotek Anbotek	If soldered connections used, the conductor so positioned or fixed that reliance is not placed on soldering alone, unless	Anbotek Anbotek Ant	inbot N
	barriers provided so that neither clearances nor creepage distances between live parts and other metal parts reduced below the values for supplementary insulation if the conductor becomes free at the soldered joint	ortek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbo Anbo
26.3	Terminals for type X attachment and for connection of cables of fixed wiring so constructed that the conductor is clamped between metal surfaces with sufficient contact pressure but without damaging the conductor	Anbotek Anbotek Anbotek Anbotek Anbotek	nbotek Anbotek
Anbore	Terminals fixed so that when the clamping means is	s tightened or loosened:	N
ak nab	- the terminal does not become loose	otek anbotek Anbo	.× N
otek .	- internal wiring is not subjected to stress	Anto dek Anbotek Anbe	N
Anbotek	- neither clearances nor creepage distances are reduced below the values in clause 29	Wipotek Wipotek W	N _e
Anbotek Anbotek	Compliance checked by inspection and by the test of subclause 9.6 of IEC 60999-1, the torque applied being equal to two-thirds of the torque specified (Nm)	otek Anbotek Anbotek Otek Anbotek Anbotek Anbotek	Note Anbote Ant
rek	No deep or sharp indentations of the conductors	run stek upotek Aupo	N
26.4	Terminals for type X attachment, except those having a specially prepared cord and those for the connection of cables of fixed wiring, no special preparation of conductors such as by soldering, use of cable lugs, eyelets or similar, and	Anbotek Anbotek An	Anbotek Anbotek







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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
otek p	into k hotek Anbore And	abotek Anbe	notek
Anbotek Anbotek	so constructed or placed that conductors prevented from slipping out when clamping screws or nuts are tightened	Anbotek Anbotek Arbotek	Anbore
26.5	Terminals for type X attachment so located or shielded that if a wire of a stranded conductor escapes, no risk of accidental connection to other parts that result in a hazard	upotek Aupotek Aupotek	N Anb
V P	Stranded conductor test, 8 mm insulation removed	Anbore K An	ooten N
unborek	No contact between live parts and accessible metal parts and,	Anborek Anborek	And N
Anbotek	for class II constructions, between live parts and metal parts separated from accessible metal parts by supplementary insulation only	tek Anbotek Anbotek	Anbr
26.6	Terminals for type X attachment and for connection of cables of fixed wiring suitable for connection of conductors with cross-sectional area according to table 13; rated current (A); nominal cross-sectional area (mm²)	Anbotek Anbotek Anbotek Anbotek	N
Anbotek	If a specially prepared cord is used, terminals need only be suitable for that cord	ek Anbotek Anbotek	Anbo Anbo
26.7	Terminals for type X attachment, except in class III appliances not containing live parts, accessible after removal of a cover or part of the enclosure	botek Anbotek Anbotek	N A
26.8	Terminals for the connection of fixed wiring, including the earthing terminal, located close to each other	Anbotek Anbotek A	nbotek Anbotek
26.9	Terminals of the pillar type constructed and located as specified	ek Anbotek Anbotek	Noo
26.10	Terminals with screw clamping and screwless terminals not used for flat twin tinsel cords, unless	Anbotek Anbotek Anbotek	N A
ootek	conductors ends fitted with means suitable for screw terminals	Anbotek Anbotek A	pote P
Ann	Pull test of 5 N to the connection	And otek ambotek	₽upo,
26.11	For type Y and Z attachment, soldered, welded, crimped or similar connections may be used	otek Anbotek Anbotek	P _D O ₀
otek Anb	For Class II appliances, the conductor so positioned or fixed that reliance is not placed on soldering, welding or crimping alone	Inbotek Anbotek Anbo	ek P







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	IEC 60335	5-2-9 pm		
Clause	Requirement + Test	ek	Result - Remark	Verdict
oter p	ing K Potek Aupo, W.	*eK	And And	notek
Anbotek Anbotek Anbotek	If soldering, welding or crimping alone used barriers provided so that clearances and credistances between live parts and other meta are not reduced below the values for supplementary insulation if the conductor befree	eepage al parts	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbore Anb
27	PROVISION FOR EARTHING			P
27.1	Accessible metal parts of Class 0I and I appropriately and reliably connected to an elementary terminal or earthing contact of the appliance	arthing	Class I appliance	otek Anbotek
Anbotek	Earthing terminals and earthing contacts no connected to the neutral terminal	t Anbore	ek Anbotek Anbotek	An Pore
k Anbo	Class 0, II and III appliances have no provis protective earthing	sion for	ibotek Anbotek Anbot	N N
hotek Ar	Class II appliances and class III appliances incorporate an earth for functional purposes		Anbotek Antotek Ant	otek N
Anbotek	Safety extra-low voltage circuits not earthed unless	hboro	Anbotek Anbotek	Anbotek
	protective extra-low voltage circuits		rek Anbore Answortek	Nipo
Anbor	No earthing via flexible metal tubes, coiled and cord anchorage (IEC 603		botek Anbotek Anbote	N p.r
27.2	Clamping means of earthing terminals adec secured against accidental loosening	juately	Anbotek Anbotek Anb	orek horek
Anbotek Anbotek	Terminals for the connection of external equipotential bonding conductors allow con of conductors of 2.5 to 6 mm², and	nection	ek Anbotek Anbotek	Nek Anbor
Anbore	do not provide earthing continuity between different parts of the appliance, and	And	potek Anbotek Anbo	N
notek An	conductors cannot be loosened without the tool	aid of a	Anbotek Anbotek Anb	iek N
Anbotek	Requirements not applicable to class II appliances that incorporate an for functional purposes		Anbotek Anbotek A	Anborek Anborek
27.3 Anbore	For a detachable part having an earth connand being plugged into another part of the appliance, the earth connection is made be and separated after current-carrying connection removing the part	fore	otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	ek Ant
Anbotek anbotek	For appliances with supply cords, current-ca conductors become taut before earthing con if the cord slips out of the cord anchorage		Anbotek Anbotek Ar	Anbolek







	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
otek A	upon to sek	abotel Anbou	-otek
anbotek anbotek	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes	Anbotek Anbotek Ar	Anbore
27.4	No risk of corrosion resulting from contact between parts of the earthing terminal and the copper of the earthing conductor or other metal	stek Anbotek Anbotek	P Anb
abotek Ar	Parts providing earthing continuity, other than parts of a metal frame or enclosure, have adequate resistance to corrosion	Anbotek Anbotek Anb	botek P .
Anbotek	If of steel, these parts provided with an electroplated coating with a thickness at least 5 μm	Anbotek Anbotek	Anborek Anborek
Anbo.	Adequate protection against rusting of parts of coated or uncoated steel, only intended to provide or transmit contact pressure	hotek Anbotek Anbotek	Nup.
ibotek An	In the body of the earthing terminal is a part of a frame or enclosure of aluminium or aluminium alloys, precautions taken to avoid risk of corrosion	Anbotek Anbotek Ant	otek N Imbotek
Anbotek	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes	ek Anbotek Anbotek	Ani Niter
27.5	Low resistance of connection between earthing terminal and earthed metal parts	potek Anbotek Anbote	k P An
botek Anbotek	This requirement does not apply to connections providing earthing continuity in the protective extralow voltage circuit, provided the clearances of basic insulation are based on the rated voltage of the appliance	Anbotek Anbotek Anbotek Anbotek Anbotek	N hbotek Anbotek
Anbore Anb	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes	Dotek Anbotek Anbotel	N Ani
otek p	Resistance not exceeding 0,1 Ω at the specified low-resistance test (Ω)	66mΩ	,botelP
27.6	The printed conductors of printed circuit boards not used to provide earthing continuity in hand-held appliances.	k Anbotek Anbotek	Anb Pek
k Anbore	They may be used to provide earthing continuity in other appliances if at least two tracks are used with independent soldering points and the appliance complies with 27.5 for each circuit	otek Anbotek Anbotek Anbotek Anbotek Anbotek	P _{An} h ek
anbotek atek	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes	Anbotek Anbotek Ar	P _k Anborek

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SCREWS AND CONNECTIONS



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Ann	IEC 60335-2-9	pore Ann tek aborek	PUL
Clause	Requirement + Test	Result - Remark	Verdict
potek A	po An Anborer Anborer	abotek Anbor An	-otek
28.1	Fixings, electrical connections and connections providing earthing continuity withstand mechanical stresses	Anbotek Anbotek	Anborek Anborek
Anbotek	Screws not of soft metal liable to creep, such as zinc or aluminium	otek Anbotek Anbotek	P Anb
otek Anbo	Diameter of screws of insulating material min. 3 mm	hotek Anbotek Anbot	ek N s
inbotek abotek	Screws of insulating material not used for any electrical connections or connections providing earthing continuity	Anbotek Anbotek An	P. Anbotek
Anbotek Anbot	Screws used for electrical connections or connections providing earthing continuity screwed into metal	tek Anbotek Anbotek	Anbr
otek An	Screws not of insulating material if their replacement by a metal screw can impair supplementary or reinforced insulation	Anbotek Anbotek Anbo	otek N A
Anbotek Anbotek	For type X attachment, screws to be removed for replacement of supply cord or for user maintenance, not of insulating material if their replacement by a metal screw impairs basic insulation	ek Anbotek Anbotek Anbotek Anbotek	Anborek
	For screws and nuts; torque-test as specified in table 14	(see appended table)	otek P
28.2	Electrical connections and connections providing earthing continuity constructed so that contact pressure is not transmitted through non-ceramic insulating material liable to shrink or distort, unless	Anbotek Anbotek A	nbotek Anbotek
ek Aupotel	there is resiliency in the metallic parts to compensate for shrinkage or distortion of the insulating material	Sotek Anbotek Anbotek	N An
botek p	This requirement does not apply to electrical connection which:	ctions in circuits of appliances	botek
Anborek	30.2.2 is applicable and that carry a current not exceeding 0,5 A	k Pupoley Vupolek	Anb Nok
Anbotek	30.2.3 is applicable and that carry a current not exceeding 0,2 A	otek Anbotek Anbotek	Anbo Anb
28.3	Space-threaded (sheet metal) screws only used for electrical connections if they clamp the parts together	Anbotek Anbotek Anbotek Anbot	ek N
Anbotek Anbotek	Thread-cutting (self-tapping) screws and thread rolling screws only used for electrical connections if they generate a full form standard machine	Anbotek Anbotek	Anbole Anbole







	IEC 60335-2-9	Ank		
Clause	Requirement + Test		Result - Remark	Verdic
oter p	wotek Aupon Au		upoter And	hotek
Anbotek Anbotek	Thread-cutting (self-tapping) screws not used if they are likely to be operated by the user or installer	tek ote	Anbotek Anbotek	Anbork Anbork
Anbotek Anbo	Thread-cutting, thread rolling and space threads connections providing earthing continuity provid connection:			ak Ani
otek Ar	- in normal use,	b	hotek Anboten An	, ekN
Lotek.	- during user maintenance,	~	Anbotek Anbotek	Aupo N
Anbotek	- when replacing a supply cord having a type X attachment, or	hotel	Anbotek Anbotek	Anbo N
Anboten	- during installation	2	tek Anborer Anbo	N N
Anboi	At least two screws being used for each connection providing earthing continuity, unless	Die.	ibotek Anbotek Anbe	otek N
potek An	the screw forms a thread having a length of at least half the diameter of the screw	Ne.	Anborek Anborek	unbotek N
28.4	Screws and nuts that make mechanical connect secured against loosening if they also make electrical connections or connections providing earthing continuity	tion	ek Anbotek Anbotek	Anbord Anbord
ek Anb	This requirement does not apply to screws in the earthing circuit if at least two screws are used, or		botes Anbotek Anb	stek N p
-otek	if an alternative earthing circuit is provided	ν.	Ambotek Anbotek A	N
Anbotek Anbotek	Rivets for electrical connections or connections providing earthing continuity secured against loosening if the connections are subjected to torsion	otek	ek Anbotek Anbotek	Anbotel
29	CLEARANCES, CREEPAGE DISTANCES AND	SO	LID INSULATION	P.
ik Aup	Clearances, creepage distances and solid insulation withstand electrical stress		Anbotek Anbotek An	ibotek P
inpotek potek	For coatings used on printed circuits boards to protect the microenvironment (Type 1) or to provide basic insulation (Type 2), Annex J applied	es:	Anbotek Anbotek	Anborek
Anbotel	The microenvironment is pollution degree 1 und type 1 protection	er	otek Anbotek Anbotek	ek Ar
stek Anbr	For type 2 protection, the spacing between the conductors before the protection is applied is no less than the values specified in Table 1 of IEC 60664-3		Anbotek Anbotek Anbotek An	Andotek N
inpote,	These values apply to functional, basic,	ret-	Antorek Antorek	Anborek

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supplementary and reinforced insulation:



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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdic
29.1	Clearances not less than the values specified in table 16, taking into account the rated impulse voltage for the overvoltage categories of table 15, unless	(see appended table)	Pek Anborek Anbor
k Aupo,	for basic insulation and functional insulation they comply with the impulse voltage test of clause 14	botek Anbotek Anbotek	N _U
nbotek Anbotek	However, if the distances are affected by wear, distortion, movement of the parts or during assembly, the clearances for rated impulse voltages of 1500V and above are increased by 0,5 mm and the impulse voltage test is not applicable	Anbotek Anbotek Anbotek Anbotek	ortek N Anborek
Anbotek Anbot	For appliances intended for use at altitudes exceeding 2 000 m, the clearances in Table 16 is increased according to the relevant multiplier values in Table A.2 of IEC 60664-1	tek Anbotek Anbotek hootek Anbotek Anbotek	N Ant
o.k	Impulse voltage test is not applicable:	Anbo. Ak botek Ant	ole.
borek	- when the microenvironment is pollution degree 3, or	Anbotek Anbotek	nbot N
Anbotek	- for basic insulation of class 0 and class 01 appliances	ek Wupotek Wupotek	Anb Anb
ek Vupo	- to appliances intended for use at altitudes exceeding 2 000 m	botek Anbotek Anbote	N
rek .	Appliances are in overvoltage category II	And stek anbotek Anb	N
Anbotek	A force of 2 N is applied to bare conductors, other than heating elements	Anbotek Anbotek A	upotel
Anborek	A force of 30 N is applied to accessible surfaces	sk Aupotek Aupo	N
29.1.1	Clearances of basic insulation withstand the overvoltages, taking into account the rated impulse voltage	potek Anbotek Anbotek	P
otek p	The values of table 16 or the impulse voltage test of clause 14 are applicable:	(see appended table)	P
Anbotek Anbotek	Clearance at the terminals of tubular sheathed heating elements may be reduced to 1,0 mm if the microenvironment is pollution degree 1	k Anbotek Anbotek	Anbo
k Anbo	Lacquered conductors of windings considered to be bare conductors	otek Anbotek Anbotek	Na
29.1.2	Clearances of supplementary insulation not less than those specified for basic insulation in table 16:	(see appended table)	potekP
29.1.3	Clearances of reinforced insulation not less than those specified for basic insulation in table 16, using the next higher step for rated impulse voltage	(see appended table)	Anbo ^A







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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
otek p	notek Anbott Anti-	abotek Ande	notek
Anbotek Anbotek Anbotek	For double insulation, with no intermediate conductive part between basic and supplementary insulation, clearances are measured between live parts and the accessible surface, and the insulation system is treated as reinforced insulation	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbore Anbore
29.1.4	Clearances for functional insulation are the largest v	alues determined from:	N N
otek A	- table 16 based on the rated impulse voltage :	(see appended table)	N _{ASK} N
nbotek	- table F.7a in IEC 60664-1, frequency not exceeding 30 kHz	Anbotek Anbotek An	N. Anbotek
Aupote,	- clause 4 of IEC 60664-4, frequency exceeding 30 kHz	Anbotek Anbotek	An Notes
tek Vupo,	If values of table 16 are largest, the impulse voltage test of clause 14 may be applied instead, unless	Jootek Anbotek Anbotek	K Nun
	the microenvironment is pollution degree 3, or	Anbo tek anbotek Ant	N
anbotek	the distances can be affected by wear, distortion, movement of the parts or during assembly	Anbotek Anbotek	inborN nbotek
Anbotek Anbot	However, clearances are not specified if the appliance complies with clause 19 with the functional insulation short-circuited	ek Anbotek Anbotek	N
rek An	Lacquered conductors of windings considered to be bare conductors	Anbotek Anbotek Anb	stek N
Potek (Potek	However, clearances at crossover points are not measured	Anbotek Anbotek	nboteN
Anborek	Clearance between surfaces of PTC heating elements may be reduced to 1mm	ak Anbotek Anbotek	Amboi Amboi
29.1.5	Appliances having higher working voltages than rate insulation are the largest values determined from:	ed voltage, clearances for basic	N _A n
rek	- table 16 based on the rated impulse voltage :	And stek Anbotek Anbo	N
Anbotek	- table F.7a in IEC 60664-1, frequency not exceeding 30 kHz	Anbotek Anbotek A	ibolo N
Anbotek	- clause 4 of IEC 60664-4, frequency exceeding 30 kHz	k Anbotek Anbotek	Not
otek And	If clearances for basic insulation are selected from Table F.7a of IEC 60664-1 or Clause 4 of IEC 60664-4, the clearances of supplementary insulation are not less than those specified for	Anbotek Anbotek Anbotek	N

basic insulation





An-	IEC 60335-2-9	port Annotek Anbotek	VU
Clause	Requirement + Test	Result - Remark	Verdict
oter by	to the motek Anbors Arr.	Anborek Anb	notek
Anbotek Anbotek	If clearances for basic insulation are selected from Table F.7a of IEC 60664-1, the clearances of reinforced insulation dimensioned as specified in Table F.7a are to withstand 160% of the withstand voltage required for basic insulation	k Anbotek Anbotek Anbotek Anbotek Anbotek	Anbore Anbore
rtek Anbor	If clearances for basic insulation are selected from Clause 4 of IEC 60664-4, the clearances of reinforced insulation are twice the value required for basic insulation	nbotek Anbotek Anbotek Anbot	potek N
Anbotek Anbotek Anbotek Anbotek	If the secondary winding of a step-down transformer is earthed, or if there is an earthed screen between the primary and secondary windings, clearances of basic insulation on the secondary side not less than those specified in table 16, but using the next lower step for rated impulse voltage	lek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anborek Anborek
Anbotek Anbotek	Circuits supplied with a voltage lower than rated voltage, clearances of functional insulation are based on the working voltage used as the rated voltage in table 15	Anbotek Anbotek Anbotek	N Anbotek
29.2	Creepage distances not less than those appropriate for the working voltage, taking into account the material group and the pollution degree	(see appended table)	P. Po
otek i	Pollution degree 2 applies, unless	Anboren Ant	P
Aupotek K	- precautions taken to protect the insulation; pollution degree 1	Anbotek Anbotek	Anborek Anborek
Anbore	- insulation subjected to conductive pollution; pollution degree 3	ek Anbotek Anbotek	Noot
anbi	A force of 2 N is applied to bare conductors, other than heating elements	upotek Aupotek Vupote	N AM
otek A	A force of 30 N is applied to accessible surfaces	anbotek Anbote Ame	Note P
Anbotek Anbotek	In a double insulation system, the working voltage for both the basic and supplementary insulation is taken as the working voltage across the complete double insulation system	k Anbotek Anbotek	Anborr Anborr
k Anbo	Pollution degree 3 applies, unless the insulation is enclosed or located so that it is unlikely to be exposed to pollution during normal use of the appliance (IEC 60335-2-9)	Anbotek Anbotek Anbotek	NAM'

29.2.1

(see appended table)



Creepage distances of basic insulation not less

than specified in table 17....::



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p	IEC 60335-2-9	by totek Aupote	Die
Clause	Requirement + Test	Result - Remark	Verdict
otek M	to the Autor Anno Anno Anno Anno Anno Anno Anno An	abotes Anbe	potek
	However, if the working voltage is periodic and has a frequency exceeding 30 kHz, the creepage distances are also determined from table 2 of IEC 60664-4, these values being used if exceeding the values in table 17	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbore Anb
stek Anbotek	Except for pollution degree 1, corresponding creepage distance not less than the minimum specified for the clearance in table 16, if the clearance has been checked according to the test of clause 14	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	otek notek
29.2.2	Creepage distances of supplementary insulation at least those specified for basic insulation in table 17, or	(see appended table)	Anio Anbo
Anbore	Table 2 of IEC 60664-4, as applicable:	botek Anbote And	6 N
29.2.3	Creepage distances of reinforced insulation at least double those specified for basic insulation in table 17, or	(see appended table)	otek P
abotek	Table 2 of IEC 60664-4, as applicable	anbotek Anbote	Niek
29.2.4	Creepage distances of functional insulation not less than specified in table 18	(see appended table)	Anboi
botek Anb	However, if the working voltage is periodic and has a frequency exceeding 30 kHz, the creepage distances are also determined from table 2 of IEC 60664-4, these values being used if exceeding the values in table 18	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N An
Anbotek	Creepage distances may be reduced if the appliance complies with clause 19 with the functional insulation short-circuited	ak Anbotek Anbotek	Anbor
29.3	Supplementary and reinforced insulation have adequate thickness, or a sufficient number of layers, to withstand the electrical stresses	Anbotek Anbotek Anbotek	N An
O A	Compliance checked:	Anborn K Motek Ar	poteN
Aupore.	- by measurement, in accordance with 29.3.1, or	Anbore. And Lotek	AnbNek
Anbote	- by an electric strength test in accordance with 29.3.2, or	k Anbotek Anbotek	Note
otek Anbo	-for insulation, other than single layer internal wiring insulation by an assessment of the thermal quality of the material combined with an electric strength test, in accordance with 29.3.3, and	Anbotek Anbotek Anbotek Anbotek Anbotek	ootek Ootek
inbotek nbotek	for accessible parts of reinforced insulation consisting of a single layer, by measurement in accordance with 29.3.4, or	Anbotek Anbotek	AnboN ^k







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bu.	IEC 60335-2-9	bore An Lotek Anbotek	Ant
Clause	Requirement + Test	Result - Remark	Verdict
poter A	ups Andrew Anbons An	And And	potek
	- by an assessment of the thermal quality of the material according to 29.3.3 combined with an electric strength test in accordance with 23.5, for each single layer internal wiring insulation touching each other, or	otek Anbotek Anbotek Anbotek	Anbore Anb
otek Anbo	- as specified in subclause 6.3 of IEC 60664-4 for insulation that is subjected to any periodic voltage having a frequency exceeding 30 kHz	Anbotek Anbotek Anbot	otek N
Anbotek Anbotek	Requirement not applied to the sheath of a visibly glowing heating element that is inaccessible to test probe 41 of IEC 61032 (IEC 60335-2-9)	Anbotek Anbotek Anbotek	Anborek Anborek
29.3.1	Supplementary insulation have a thickness of at least 1 mm	hotek Anbotek Anbotek	P nbc
otek An	Reinforced insulation have a thickness of at least 2 mm	Wipotek Vipotek Vill	otek P
29.3.2	Each layer of material withstand the electric strength test of 16.3 for supplementary insulation	Anbotek Anbotek	inbotN hotek
Anborek	Supplementary insulation consist of at least 2 layers	lek Anbotek Anbotek	Anboi Anboi
Aupon	Reinforced insulation consist of at least 3 layers	photek Anbo lek abote	N p.c
29.3.3	The insulation is subjected to the dry heat test Bb of IEC 60068-2-2, followed by	Anbotek Anbotek Anb	stell N
100 rek	the electric strength test of 16.3	And tek anbotek A	Upo, N
Anbotek Anbotek	If the temperature rise during the tests of clause 19 does not exceed the value specified in table 3, the test of IEC 60068-2-2 is not carried out	Anbotek Anbotek	Anbor
29.3.4	Thickness of accessible parts of reinforced insulation consisting of a single layer not less than specified in table 19:	Poles Will Williams W	N An
30	RESISTANCE TO HEAT AND FIRE	100	pole.
30.1	External parts of non-metallic material,	Anbo. An atek	anb Pek
Anborok	parts supporting live parts, and	ek Anboron Anbo	Roote
Anbotek	parts of thermoplastic material providing supplementary or reinforced insulation	totek Anborek Anborek	P _{Ant}
-k	sufficiently resistant to heat	rupon k rotek rupo	Р
Poter. V	Ball-pressure test according to IEC 60695-10-2	Anboter And Jotek An	potek P
Anbotek Anbotek	External parts tested at 40 °C plus the maximum temperature rise determined during the test of clause 11, or at 75 °C, whichever is the higher; temperature (°C)	(see appended table)	Anbore Anbore







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h	IEC 60335-2-9	h hotek Anbote	bu
Clause	Requirement + Test	Result - Remark	Verdict
oter A	ups K Polek Vupor VIII Kek	photes And	potek
Anbotek Anbotek	Parts supporting live parts tested at 40°C plus the maximum temperature rise determined during the test of clause 11, or at 125 °C, whichever is the higher; temperature (°C)	(see appended table)	Anborek Anbore
	Parts of thermoplastic material providing supplementary or reinforced insulation tested at 25 °C plus the maximum temperature rise determined during clause 19, if higher; temperature (°C):	(see appended table)	P. ^{nl} sk
Anbotek Anbotek	Temperature rises occurring during the test of 19.102 are not taken into account (IEC 60335-2-9)	Anbotek Anbotek	Anbo N ^k
30.2	Parts of non-metallic material resistant to ignition and spread of fire	tek Anborek Anborek	Panto
ok bu	This requirement does not apply to:	hoo. Ambotek Anbote	1
hpotek Anbotek	parts having a mass not exceeding 0,5 g, provided the cumulative effect is unlikely to propagate flames that originate inside the appliance by propagating flames from one part to another, or	Anbotek Anbotek Ant	oter N Inbotek
Anboten	decorative trims, knobs and other parts unlikely to be ignited or to propagate flames that originate inside the appliance	ek Anbotek Anbotek	Panbo
	Compliance checked by the test of 30.2.1, and in addition:	Anbotek Anbotek Anb	stek P
00,-	- for attended appliances, 30.2.2 applies	Anbo. ok hotek A	UpoteN
Anbore	- for unattended appliances, 30.2.3 applies	Anbore And Motek	AnbPrek
Anbore	For appliances for remote operation, 30.2.3 applies	ek Anbors K Motek	No
ak Anbore	For base material of printed circuit boards, 30.2.4 applies	potek Anbotek Anbotek	P
otek A	For breadmakers, food dehydrators, 30.2.3 applies (IEC 60335-2-9)	Aupotek Aupotek Aupo	N
anbotek	For hotplates 30.2.3 applies (IEC 60335-2-9)	Anbotek Anbo. Ak	Nok
Anbotek Anbotek	For cookers, ovens, roasters, rotary grills if they incorporate a timer or if their instructions indicate a cooking operation longer than 1h , 30.2.3 applies (IEC 60335-2-9)	otek Anbotek Anbotek Anbotek Anbotek Anbotek	P P Anboi
otek Ar	For other appliances, 30.2.2 applies (IEC 60335-2-9)	Anbotek Anbotek Anbo	N
30.2.1	Parts of non-metallic material subjected to the glow-wire test of IEC 60695-2-11 at 550 °C	Anbotek Anbotek	Anbo P ^k







	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
oter p	hotek Anbois Air tek	abotel And	notek
	However, test not carried out if the material is classified as having a glow-wire flammability index according to IEC 60695-2-12 of at least 550 °C, or	Anbotek Anbotek An	Anbore
Anbotek	the material is classified at least HB40 according to IEC 60695-11-10	otek Anbotek Anbotek	N Ant
tek And	Parts for which the glow-wire test cannot be carried out need to meet the requirements in ISO 9772 for material classified HBF	Anbotek Anbotek Anbot	otek N
30.2.2	Appliances operated while attended, parts of non-metallic material supporting current-carrying connections, and	Anbotek Anbotek	Anbotel
Anbo	parts of non-metallic material within a distance of 3mm of such connections,	rek Anbotek Anbotek	K Nup
ek vo	subjected to the glow-wire test of IEC 60695-2-11	otek Anbotek Anbot	N P
-tek	The test severity is:	Anbotek Ant	0,0
Anbotek	- 750 °C, for connections carrying a current exceeding 0,5 A during normal operation	Anbotek Anbotek	inbol N
Anbotek	- 650 °C, for other connections	ek Anbotek Anbo	N
Anbor	Glow-wire applied to an interposed shielding material, if relevant	botek Anbotek Anbotel	. N
ootek An	The glow-wire test is not carried out on parts of mate wire flammability index according to IEC 60695-2-12		stek N
Anbotek	- 750 °C, for connections carrying a current exceeding 0,5 A during normal operation	Anbotek Anbotek	Anbotek
Aupo,	- 650 °C, for other connections	sk Aupo, ak apotek	Noo
Aupor	The glow-wire test is also not carried out on small pa	arts. These parts are to:	N _{p.0}
otek Pup	- comprise material having a glow-wire flammability index of at least 750 °C, or 650 °C as appropriate, or	Anbotek Anbotek Anbo	lek N
Aupotek	- comply with the needle-flame test of Annex E, or	anbotek Anbo. Lek	"PN"
Anbotek	- comprise material classified as V-0 or V-1 according to IEC 60695-11-10:	k Anborek Anborek	Nor
K Anb	Glow-wire test not applicable to conditions as specified	otek Anbotek Anbotek	NAM'
30.2.3	Appliances operated while unattended, tested as specified in 30.2.3.1 and 30.2.3.2	Anbotek Anboten Anbo	potekP





N

The tests are not applicable to conditions as

specified:



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y	IEC 60335-2-9	wotek Anbore	Visi
Clause	Requirement + Test	Result - Remark	Verdict
Ofer Ar	In March Autor Art 16k	nbotes Anto	notek
30.2.3.1	Parts of non-metallic material supporting connections carrying a current exceeding 0,2 A during normal operation, and		Anborek
Anbotek	parts of non-metallic material, other than small parts, within a distance of 3 mm,	otek Anbotek Anbotek	P Ant
otek Anbo	subjected to the glow-wire test of IEC 60695-2-11 with a test severity of 850 °C	nbotek Anbotek Anbot	e ^k P
nbotek	Glow-wire applied to an interposed shielding material, if relevant	Anbotek Anbotek An	P. Anbotek
Anbořek Anbořek	The glow-wire test is not carried out on parts of material classified as having a glow-wire flammability index according to IEC 60695-2-12 of at least 850 °C	tek Anbotek Anbotek	Anbie Anbi
30.2.3.2	Parts of non-metallic material supporting connections, and	Anbotek Anbotek Anbot	orek P
ipotek	parts of non-metallic material within a distance of 3mm,	Anbotek Anbotek	inbotP.
Vun Viek	subjected to glow-wire test of IEC 60695-2-11	Ans otek anbotek	Nav
Augo	The test severity is:	Anbotek anbotek	Nupc
ek Aupo	- 750 °C, for connections carrying a current exceeding 0,2 A during normal operation	botek Anbotek Anbotel	PA
otek p	- 650 °C, for other connections	And Anbotek Anb	P
Anbotek	Glow-wire applied to an interposed shielding material, if relevant	Anbotek Anbotek A	Anbotek
Anbore	However, the glow-wire test of 750 °C or 650 °C as a on parts of material fulfilling both or either of the follows:		Noo
anbe	- a glow-wire ignition temperature according to IEC 60695-2-13 of at least:	Anbotek Anbotek Anbote	N N
otek A	775 °C, for connections carrying a current exceeding 0,2 A during normal operation	Anbotek Anbotek Ar	loteN look
rup. otek	675 °C, for other connections	And otek anbotek	Pupp.
Anbotek	- a glow-wire flammability index according to IEC 60695-2-12 of at least:	otek Anbotek Anbotek	N
K Anbo	- 750 °C, for connections carrying a current exceeding 0,2 A during normal operation	Anbotek Anbotek Anbot	ek N
Die Bi	- 650 °C, for other connections	Anbor & And Lotek An	poter N
upoter	The glow-wire test is also not carried out on small pa	arts. These parts are to:	anboker.
Anbotek	- comprise material having a glow-wire ignition temperature of at least 775 °C or 675 °C as appropriate, or	tek Anbotek Anbotek	W.No.







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V	IEC 60335-2-9	whole Aubore	by,
Clause	Requirement + Test	Result - Remark	Verdic
Of P	hosek Aupors Au	above And	notek
inbotek Anbotek	- comprise material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or	K Anbotek Anbotek Ar	Aupoil
anbotek	- comply with the needle-flame test of Annex E, or	tek anbotek Anbote	N
Anbo	- comprise material classified as V-0 or V-1 according to IEC 60695-11-10	nbotek Anbotek Anbot	N
nbotek Anbotek	The consequential needle-flame test of Annex E appendix encroach within the vertical cylinder placed above the and on top of the non-metallic parts supporting curresparts of non-metallic material within a distance of 3 is parts are those:	ne centre of the connection zone ent-carrying connections, and	oote ^k N Anbotek Anbote
Anbo	- parts that withstood the glow-wire test of IEC 60695-2-11 of 750 °C or 650 °C as appropriate, but produce a flame that persist longer than 2 s, or	hotek Anbotek Anbotek	Ņ _n h
lpotek bu	- parts that comprised material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or	Anbotek Anbotek Ant	o ^{tek} N Inbotek
Anbotek	- small parts, that comprised material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or	ek Anbotek Anbotek	An N
	- small parts for which the needle-flame test of Annex E was applied, or	pote Anbotek Anbote	N P
ootek	- small parts for which a material classification of V-0 or V-1 was applied	Anbotek Anbotek And	nboteN
Aupolek	However, the consequential needle-flame test is no parts, including small parts, within the cylinder that a		AUFUL
Anbore	- parts having a glow-wire ignition temperature of at least 775 °C or 675 °C as appropriate, or	potek Anbotek Anbotel	N
otek Aup	- parts comprising material classified as V-0 or V-1 according to IEC 60695-11-10, or	Anbotek Anbo	iek N
unbotek Anbotek	- parts shielded by a flame barrier that meets the needle-flame test of Annex E or that comprises material classified as V-0 or V-1 according to IEC 60695-11-10	k Anbotek Anbotek A	Anborek
30.2.4	Base material of printed circuit boards subjected to the needle-flame test of Annex E	otek Anbotek Anbotek	N _{p,r}
·o/-	Test not applicable to conditions as specified:	rupo, W. Potek Wupo,	N
31	RESISTANCE TO RUSTING	"sto VUN	00/0/
upo.	Relevant ferrous parts adequately protected against rusting	Anbo k. Anborek	Pup Jek





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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
lotek bu	no k hotek Aubots, Aut.	abotel Anbe. K	notek
Anbotek Anbotek	For appliances intended for outdoor use, compliance is checked by the salt mist test, Kb of IEC 60068-2-52, severity 2 applicable (IEC 60335-2-9)	Anbotek Anbotek Anbotek	Anbore Anbore
k Anbot	Before the test, enclosures having a coating are scratched by means of hardened steel pin (IEC 60335-2-9)	nbotek Anbotek Anbote	NAME I
nbotek Anbotek	After the test, the appliance shall not have deteriorated to such an extent that compliance with this standard, in particular with Clauses 8 and 27, is impaired (IEC 60335-2-9)	Anbotek Anbotek Anbotek	N _{Anbotek}
tek Anbote	After the test, the coating shall not be broken and shall not have loosened from the surface (IEC 60335-2-9)	nbotek Anbotek Anbotek	k Mupo
32	RADIATION, TOXICITY AND SIMILAR HAZARDS		0/0
Anbotek Anbotek	Appliance does not emit harmful radiation or present a toxic or similar hazard due to their operation in normal use	Anbotek Anbotek	inborek Anborek
Anbore	Compliance is checked by the limits or tests specified in part 2, if relevant	botek Anbotek Anbotek	N _{/po}
A	ANNEX A (INFORMATIVE) ROUTINE TESTS		stek
hor p	Description of routine tests to be carried out by the manufacturer	Anbortek Anbortek A	nboteP hotek
В	ANNEX B (NORMATIVE) APPLIANCES POWERED BY RECHARGEABLE BARECHARGED IN THE APPLIANCE	ATTERIES THAT ARE	Anbot
otek Anbo	The following modifications to this standard are applicable for appliances powered by batteries that are recharged in the appliance	Anbotek Anbotek Anbo	lek N
Nek	This annex does not apply to battery chargers	And otek Anbotek Ar	N.v.
Augo	Three forms of construction covered:	Aribo tek nbotek	Anbote.
k Anbotek	a) Appliance supplied directly from the supply mains or a renewable energy source, the battery charging circuitry and other supply unit circuitry incorporated within the appliance	otek Anbotek Anbotek	Ant Ant
otek An Inbotek Anbotek	b) The part of the appliance incorporating the battery is supplied from the supply mains or a renewable energy source, via a detachable supply unit. The battery charging circuitry is incorporated within the part of the appliance containing the battery	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	pote ^k N Anbote ^k Anbote ⁱ







c) The part of the appliance incomposition battery is supplied from the surenewable energy source, via unit. The battery charging circularity within the detachable supply unit. The battery charging circularity within the detachable supply units and the suppliance operated under the strength of the appliance, supplied by its battery, operated as specified the battery is charged, the battery is charged, the battery desired to such an extent the cannot operate supply mains through its batter battery being initially discharged that the appliance cannot oper is operated as specified in relevant the appliance incorporates between two parts that are detailed.	pply mains or a a detachable supply uitry is incorporated nit following conditions: a fully charged in relevant part 2 attery being initially hat the appliance upplied from the ry charger, the	Result - Remark	N N N
battery is supplied from the su renewable energy source, via unit. The battery charging circu within the detachable supply u 3.1.9 Appliance operated under the - the appliance, supplied by its battery, operated as specified - the battery is charged, the badischarged to such an extent to cannot operate -if possible, the appliance is su supply mains through its battery being initially discharged that the appliance cannot oper is operated as specified in release. - if the appliance incorporates	pply mains or a a detachable supply uitry is incorporated nit following conditions: a fully charged in relevant part 2 attery being initially hat the appliance upplied from the ry charger, the	Anbotek Anbotek Anbotek Anbotek	Anbore Anbore Anborek N Anborek N
battery is supplied from the su renewable energy source, via unit. The battery charging circu within the detachable supply u 3.1.9 Appliance operated under the - the appliance, supplied by its battery, operated as specified - the battery is charged, the badischarged to such an extent to cannot operate -if possible, the appliance is su supply mains through its battery being initially discharged that the appliance cannot oper is operated as specified in release. - if the appliance incorporates	pply mains or a a detachable supply uitry is incorporated nit following conditions: a fully charged in relevant part 2 attery being initially hat the appliance upplied from the ry charger, the	Anbotek Anbotek	Anbore Anbore N N Anborek N
- the appliance, supplied by its battery, operated as specified - the battery is charged, the badischarged to such an extent to cannot operate -if possible, the appliance is supply mains through its batter battery being initially discharge that the appliance cannot oper is operated as specified in release. - if the appliance incorporates	a fully charged in relevant part 2 attery being initially hat the appliance upplied from the ry charger, the	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	anbotek N
battery, operated as specified - the battery is charged, the badischarged to such an extent to cannot operate -if possible, the appliance is supply mains through its batter battery being initially discharge that the appliance cannot oper is operated as specified in release. - if the appliance incorporates	in relevant part 2 attery being initially hat the appliance upplied from the ry charger, the	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anboten
discharged to such an extent t cannot operate -if possible, the appliance is supply mains through its batter battery being initially discharge that the appliance cannot oper is operated as specified in release. - if the appliance incorporates	upplied from the ry charger, the	Anbotek Anbotek	Noon
supply mains through its batter battery being initially discharge that the appliance cannot oper is operated as specified in release. - if the appliance incorporates	ry charger, the	100	Anbotel
	ate. The appliance	hotek Anbotek Anbotek Arbotek	hotek Nobe
other, the appliance is supplied mains with the detachable par	achable from each d from the supply	ek Anbotek Anbotek	Anbotek
Part to be removed in order to is not considered to be detach		potek Anbotek Anb	botek N
5.B.101 Appliances supplied from the sas specified for motor-operate		Anbotek Anbotek	Anborek N
7.1 Battery compartment for batter replaced by the user, marked and polarity of the terminals		Anbotek Anbotek	Anbolek Anbolek
The positive terminal indicated 60417-5005 and the negative IEC 60417-5006		botek Anbotek Anbot	n N
Appliances intending to be sup detachable supply unit marked 60417-6181 and its type refere symbol ISO 7000-0790 (2004-	with symbol IEC ence along with	Anbotek Anbotek	Anbotek Anbotek
use only with <model designat<="" td=""><td>ion> supply unit :</td><td>or Anbo ok hotel</td><td>N_{ot}</td></model>	ion> supply unit :	or Anbo ok hotel	N _{ot}
7.6 Symbols 60417-5005 and IEC	60417-5006	otek Anbor An	otek Nant
7.12 The instructions give information charging	on regarding	rupotek Pupotek bu	unboyek N
The instructions for appliances batteries intended to be replaced includes required information		Anbotek Anbotek	Andore N

Shenzhen Anbotek Compliance Laboratory Limited





materials hazardous to the environment given



For appliances intending to be supplied from a detachable supply unit for the purposes of recharging the battery, the type reference of the detachable supply unit is stated along with the following: WARNING: For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance If the symbol for detachable supply unit is used, its meaning is explained 7.15 Markings placed on the part of the appliance connected to the supply mains The type reference of the detachable supply unit is placed in close proximity to the symbol 8.2 Appliances having batteries that according to the instruction may be replaced by the user need only have basic insulation between live parts and the inner surface of the battery compartment If the appliance can be operated without batteries, double or reinforced insulation required 11.7 The battery is charged for the period stated in the instructions or 24 h		IEC 60335-2-9		
purposes of recharging the battery, the type reference of the detachable supply unit is stated along with the following: WARNING: For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance If the symbol for detachable supply unit is used, its meaning is explained 7.15 Markings placed on the part of the appliance connected to the supply mains The type reference of the detachable supply unit is placed in close proximity to the symbol 3.2 Appliances having batteries that according to the instruction may be replaced by the user need only have basic insulation between live parts and the inner surface of the battery compartment If the appliance can be operated without batteries, double or reinforced insulation required 11.7 The battery is charged for the period stated in the instructions or 24 h 11.8 Temperature rise of the battery surface does not exceed the limit in the battery manufacturer's specification; measured (K); limit (K)	Clause	Requirement + Test	Result - Remark	Verdict
purposes of recharging the battery, the type reference of the detachable supply unit is stated along with the following: WARNING: For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance If the symbol for detachable supply unit is used, its meaning is explained 7.15 Markings placed on the part of the appliance connected to the supply mains The type reference of the detachable supply unit is placed in close proximity to the symbol 3.2 Appliances having batteries that according to the instruction may be replaced by the user need only have basic insulation between live parts and the inner surface of the battery compartment If the appliance can be operated without batteries, double or reinforced insulation required 11.7 The battery is charged for the period stated in the instructions or 24 h 11.8 Temperature rise of the battery surface does not exceed the limit in the battery manufacturer's specification; measured (K); limit (K)	oter p	up sek opotek Aupo, W. Patek	Anbores Anb	potek
battery, only use the detachable supply unit provided with this appliance If the symbol for detachable supply unit is used, its meaning is explained 7.15 Markings placed on the part of the appliance connected to the supply mains The type reference of the detachable supply unit is placed in close proximity to the symbol 3.2 Appliances having batteries that according to the instruction may be replaced by the user need only have basic insulation between live parts and the inner surface of the battery compartment If the appliance can be operated without batteries, double or reinforced insulation required 11.7 The battery is charged for the period stated in the instructions or 24 h		purposes of recharging the battery, the type referen		Anborek
meaning is explained 7.15 Markings placed on the part of the appliance connected to the supply mains The type reference of the detachable supply unit is placed in close proximity to the symbol 3.2 Appliances having batteries that according to the instruction may be replaced by the user need only have basic insulation between live parts and the inner surface of the battery compartment If the appliance can be operated without batteries, double or reinforced insulation required 11.7 The battery is charged for the period stated in the instructions or 24 h		battery, only use the detachable supply unit	stek Anbotek Anbotek	N Anb
connected to the supply mains The type reference of the detachable supply unit is placed in close proximity to the symbol 3.2 Appliances having batteries that according to the instruction may be replaced by the user need only have basic insulation between live parts and the inner surface of the battery compartment If the appliance can be operated without batteries, double or reinforced insulation required 11.7 The battery is charged for the period stated in the instructions or 24 h	otek Ar		Anbotek Anbotek Anb	ootek N
placed in close proximity to the symbol Appliances having batteries that according to the instruction may be replaced by the user need only have basic insulation between live parts and the inner surface of the battery compartment If the appliance can be operated without batteries, double or reinforced insulation required 11.7 The battery is charged for the period stated in the instructions or 24 h	7.15		Anborek Anborek	Anbo'N
instruction may be replaced by the user need only have basic insulation between live parts and the inner surface of the battery compartment If the appliance can be operated without batteries, double or reinforced insulation required 11.7 The battery is charged for the period stated in the instructions or 24 h	Anbotek		tek Anbotek Anbotek	Anbo
double or reinforced insulation required 11.7 The battery is charged for the period stated in the instructions or 24 h	8.2 M	instruction may be replaced by the user need only have basic insulation between live parts and the	Anbotek Anbotek Anbotek Anbote	otok K N b
instructions or 24 h	Anborek		Anbotek Anbotek	Anbotek
exceed the limit in the battery manufacturer's specification; measured (K); limit (K)	11.7		ek Anborek Anborek	Naod
exceed 20 K; measured (K)	11.8	exceed the limit in the battery manufacturer's	Anbotek Anbotek Anbotek Anb	N A
19.B.102 and 19.B.103 19.10 Not applicable 19.B.101 Appliances supplied at rated voltage for 168 h, the battery being continually charged 19.B.102 For appliances having batteries that can be removed without the aid of a tool, short-circuit of the terminals of the battery, the battery being fully charged, 19.B.103 Appliances having batteries replaceable by the user supplied at rated voltage under normal operation with the battery removed or in any position allowed by the construction	Anbotek		Anbotek Anbotek	obolek
Appliances supplied at rated voltage for 168 h, the battery being continually charged For appliances having batteries that can be removed without the aid of a tool, short-circuit of the terminals of the battery, the battery being fully charged, Appliances having batteries replaceable by the user supplied at rated voltage under normal operation with the battery removed or in any position allowed by the construction	19.1		Anbotek Anbotek	Noot
battery being continually charged For appliances having batteries that can be removed without the aid of a tool, short-circuit of the terminals of the battery, the battery being fully charged, Appliances having batteries replaceable by the user supplied at rated voltage under normal operation with the battery removed or in any position allowed by the construction	19.10	Not applicable	pore And Arek Anbotel	NPG
removed without the aid of a tool, short-circuit of the terminals of the battery, the battery being fully charged, 19.B.103 Appliances having batteries replaceable by the user supplied at rated voltage under normal operation with the battery removed or in any position allowed by the construction	19.B.101		Pupoles Vupolek Vupo	iek N
user supplied at rated voltage under normal operation with the battery removed or in any position allowed by the construction	19.B.102	removed without the aid of a tool, short-circuit of the terminals of the battery, the battery being fully	k Anbotek Anbotek Anbotek	N _k Anborek
19.13 The battery does not rupture or ignite N	19.B.103	user supplied at rated voltage under normal operation with the battery removed or in any	Inbotek Anbotek Anbotek	N _A n ^l ek
THE RESERVE THE PARTY OF THE PA	19.13	The battery does not rupture or ignite	Anborek Anborek Ar	N/4

21.B.101



Ν

Appliances having pins for insertion into socket-

outlets have adequate mechanical strength



	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdic
oten A	hosek Aupor Ar.	- nbotel And	notek
	Part of the appliance incorporating the pins subjecte 2, of IEC 60068-2-31, the number of falls being:	ed to the free fall test, procedure	Anborek
Anborek	- 100, if the mass of the part does not exceed 250 g (g)	Aupor Aupotek Aupotek	Not
	- 50, if the mass of the part exceeds 250 g:	tek abotek Anbot	N
otek An	After the test, the requirements of 8.1, 15.1.1, 16.3 and clause 29 are met	nbotek Anbotek Anbot	N
22.3	Appliances having pins for insertion into socket- outlets tested as fully assembled as possible	Anbotek Anbotek	Anbo'N'
25.13	An additional lining or bushing not required for interconnection cords in class III appliances or class III constructions operating at safety extra-low voltage not containing live parts	tek Anbotek Anbotek	k Aut
30.2	For parts of the appliance connected to the supply mains during the charging period, 30.2.3 applies	Anbotek Anbotek Ant	N York
100.	For other parts, 30.2.2 applies	Anbo ok botek	Inpose N
С	ANNEX C (NORMATIVE) AGEING TEST ON MOTORS		Pupole Pupole
tek Anbote	Tests, as described, carried out when doubt with regard to the temperature classification of the insulation of a motor winding	botek Anbotek Anbote	N
botek	The value of <i>p</i> in Table C.1 is 2000 (IEC 60335-2-9)	Anbotek Anbotek Anb	nboteN
D	ANNEX D (NORMATIVE) THERMAL MOTOR PROTECTORS		Aupole
ek Aupote	Applicable to appliances having motors that incorporate thermal motor protectors necessary for compliance with the standard	potek Anbotek Anbotek	N
184	Test conditions as specified	And tek abotek Anbe	N
Ē	ANNEX E (NORMATIVE) NEEDLE-FLAME TEST		bosek
Anbotek	Needle-flame test carried out in accordance with IEC modifications:	C 60695-11-5, with the following	N _O
7 And	Severities	pote. And stek subotek	NAC
otek Anbe	The duration of application of the test flame is $30 \text{ s} \pm 1 \text{ s}$	rupolek Vupolek Vupo,	ek N
9	Test procedure	Ann tek abotek Ar	N _v
9.1	The specimen so arranged that the flame can be	Vupo, bi.	Anboten





the examples of Figure 1

applied to a vertical or horizontal edge as shown in



IEC 60335-2-9				
Clause	Requirement + Test	Result - Remark	Verdic	
oter A	La stek Vupotek Vupot, Vek spotek	Anborer And	potek	
9.2	The first paragraph does not apply	Anbotek Anbo tek	N/K	
Aupotek	If possible, the flame is applied at least 10 mm from a corner	Anbotek Anbo	Anbor	
9.3	The test is carried out on one specimen	otek Aupo, botek	North	
otek Anbo	If the specimen does not withstand the test, the test may be repeated on two additional specimens, both withstanding the test	Anbotek Anbotek Anbot	otek	
110 tek	Evaluation of test results	Anbotek Anbo. A.	Nº Nº	
Anborek	The duration of burning not exceeding 30 s	upotek Anbor	N	
Anbotek	However, for printed circuit boards, the duration of burning not exceeding 15 s	tek Anbotek Anbotek	N Ant	
F	ANNEX F (NORMATIVE) CAPACITORS		* -	
ibotek botek	Capacitors likely to be permanently subjected to the radio interference suppression or voltage dividing, of IEC 60384-14, with the following modifications:		N N nbotel	
1.5	Terms and definitions	ak hotek Anboten	AM	
1.5.3	Class X capacitors tested according to subclass X2	botek Anbotek Anbotek	N	
1.5.4	This subclause is applicable	botek Anbore Ans	N Yer	
1.6	Marking	botek Anbotes Anb	N.	
notek.	Items a) and b) are applicable	hotek Anbotes A	No	
3.4	Approval testing	k kotek Anbotek	AUD N	
3.4.3.2	Table 3 is applicable as described	Anbotek Anbotek	N	
4.1 And	Visual examination and check of dimensions	hotek anbotek	N	
Aug.	This subclause is applicable	Anbotel Anbo	N	
4.2	Electrical tests	Aupolek Pupper Wek	Nerod	
4.2.1	This subclause is applicable	anbotek Anbor A	No.K	
4.2.5	This subclause is applicable	k Anbotek Anbote	N	
4.2.5.2	Only table 11 is applicable	stek Anbotek Anbote	N	
k - 2/20	Values for test A apply	stek hotek Anbores	N N	
otek A	However, for capacitors in heating appliances the values for test B or C apply	Anbotek Anbotek Anbo	N	
4.12	Damp heat, steady state	Vupotek Vupore Vu	N/A	
abotek	This subclause is applicable	L anbotek Anboth	N	
- ok	Only inculation resistance and voltage proof are	ek abores	Pico	

checked





Only insulation resistance and voltage proof are



Anb	IEC 60335-2-9	porek Anbotek	AUL
Clause	Requirement + Test	Result - Remark	Verdict
otok	Aupas K Motek Auposes Vinn	Anbores Anbo	notek
4.13	Impulse voltage		N
M. POJSK	This subclause is applicable	K hotek Anboten	Ant N
4.14	Endurance	An Lotek Anbotek	PN
k Aup	Subclauses 4.14.1, 4.14.3, 4.14.4 and 4.14.7 are applicable	potek Anbotek Anbotek	N _{rup}
4.14.7	Only insulation resistance and voltage proof are checked	Amborek Amborek Amb	otekN
upore	No visible damage	Aupore K Pue	Aupo N
4.17	Passive flammability test	k Anboren Anbo	Note:
Anbore	This subclause is applicable	tek Anborek Anbo	N
4.18	Active flammability test	wotek Anbotek Anbor	N
tek .	This subclause is applicable	otek Anbotek Anbon	. N
G	ANNEX G (NORMATIVE) SAFETY ISOLATING TRANSFORMERS	, , , , , , , , , , , , , , , , , , ,	nbotek
Anbore	The following modifications to this standard are app transformers:	licable for safety isolating	AniNiek
7	Marking and instructions	ok hotek Anhotes	N
7.1	Transformers for specific use marked with:	hoore Ambore	N PS
botek Ai	-name, trademark or identification mark of the manufacturer or responsible vendor:	Anbotek Anbotek Anb	otek N
hotek	-model or type reference:	botek Anbore	Nek
17	Overload protection of transformers and associated	circuits	And N
Anbot	Fail-safe transformers comply with subclause 15.5 of IEC 61558-1	Dotek Anbotek Anbotek	N
22	Construction	botek Anboien Anti-	,e ^k N
ootek	Subclauses 19.1 and 19.1.2 of IEC 61558-2-6 are applicable	Vupotek Vupotek V	boteN
29	Clearances, creepage distances and solid insulation	1 Anbort of hotek	AnbN
29.1, 29.2, 29.3	The distances specified in items 2a, 2c and 3 in table 13 of IEC 61558-1 apply	tek Anbotek Anbotek	_A N⊳o ^N
k Ant	For insulated winding wires complying with subclause 19.12.3 of IEC 61558-1 there are no requirements for clearances or creepage distances	unbotek Anbotek Anbotek	ek Nam
unbotek k	For windings providing reinforced insulation, the distance specified in item 2c of table 13 of IEC	Anbotek Anbotek An	N _k



61558-1 is not assessed



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V	IEC 60335-2-9	k notek Anbore	bu
Clause	Requirement + Test	Result - Remark	Verdict
oten A	upp K Motek Aupon All Jek	aboren Anto	notek
Anbotek Anbotek Anbotek	For safety isolating transformers subjected to periodic voltages with a frequency exceeding 30 kHz, the clearances, creepage distances and solid insulation values specified in IEC 60664-4 are applicable, if greater than the values specified in items 2a, 2c and 3 in table 13 of IEC 61558-1	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbore Anbore
Н	ANNEX H (NORMATIVE) SWITCHES		otek
abotek	Switches comply with the following clauses of IEC 6	1058-1, as modified below:	N
Aupotek	The tests of IEC 61058-1 carried out under the conditions occurring in the appliance	Anbotek Anbotek	Anbore Anbore
Anboi.	Before being tested, switches are operated 20 times without load	rek Anbotek Anbotek	N _C O
8	Marking and documentation	otek unpotek Aupor	N
_tek	Switches are not required to be marked	Anti-	N
Aupotek upo	However, a switch that can be tested separately from the appliance marked with the manufacturer's name or trade mark and the type reference	Anbotek Anbotek	inbo'N Anbotel
13	Mechanism	And otek Anbotek	N
Anbo	The tests may be carried out on a separate sample	boter. And tek abote	NP
15	Insulation resistance and dielectric strength	Anborek Anbo	otek N
15.1	Not applicable	Anbotek Anbo sek	N ^{otodi}
15.2	Not applicable	Vupotek Vupor	Ne
15.3	Applicable for full disconnection and micro-disconnection	ak Anbotek Anbotek	N Anbo
17 Anbou	Endurance Control of the Control of	potek Anbourtek abotel	N _p
otek Anb	Compliance is checked on three separate appliances or switches	Anbotek Anbotek Anbo	iek N
Anbotek	For 17.2.4.4, the number of cycles declared according to 7.1.4 is 10 000, unless	Anbotek Anbotek A	Anbotek
Anboten	otherwise specified in 24.1.3 of the relevant part 2 of IEC 60335	ak Anbotek Anbotek	No
k Vupe	Switches for operation under no load and which can be operated only by a tool, and	nbotek Anbotek Anbotek	N ^{An}
otek A	switches operated by hand that are interlocked so that they cannot be operated under load,	Anbotek Anbotek An	pote/N
iupo.	are not subjected to the tests	Anbo. A. Abotek	Nodina Anbolis
Anborek	However, switches without this interlock are subjected to the test of 17.2.4.4 for 100 cycles of operation	Anbotek Anbotek	A.Note







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M	IEC 60335-2-9	work Aupo	bu.
Clause	Requirement + Test	Result - Remark	Verdic
oter p	upo k posek Aupor Air.	abores Anti-	potek
Lorek	Subclauses 17.2.2 and 17.2.5.2 not applicable	abotek Anbore An	N
Anbotek Anbotek	The ambient temperature during the test is that occurring in the appliance during the test of Clause 11 in IEC 60335-1	K Anbotek Anbotek	Anbote Anbote
otek Anbo	The temperature rise of the terminals not more than 30 K above the temperature rise measured in clause 11 of IEC 60335-1 (K)	nbotek Anbotek Anbot	N N
20	Clearances, creepage distances, solid insulation and assemblies	d coatings of rigid printed board	Ambotek
Anborek Anborek	This Clause 20 is applicable to clearances across full disconnection and micro-disconnection and creepage distances for functional insulation, across full disconnection and micro-disconnection, as stated in table 24	tek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	An Note
upotek Ar	It is also applicable to creepage distances for functional insulation, across full disconnection and micro-disconnection, as stated in Table 24	Anbotek Anbotek Anb	otek N Inbotek
I	ANNEX I (NORMATIVE) MOTORS HAVING BASIC INSULATION THAT IS IT RATED VOLTAGE OF THE APPLIANCE	NADEQUATE FOR THE	Antoter Anto
rek Anbo	The following modifications to this standard are appl insulation that is inadequate for the rated voltage of		N N
8	Protection against access to live parts	Anbotek Anb	N
8.1	Metal parts of the motor are considered to be bare live parts	Anbotek Anbotek A	upotek
11 Anbotek	Heating	ek Anbotek Anbo	Noo
11.3 Anbore	The temperature rise of the body of the motor is determined instead of the temperature rise of the windings	potek Anbotek Anbotek	N An
11.8 Anborek	The temperature rise of the body of the motor, where in contact with insulating material, not exceeding values in table 3 for the relevant insulating material	Anbotek Anbotek Anbotek An	ibotel N Anbotek
16 And	Leakage current and electric strength	Anto tek abotek	PN
16.3	Insulation between live parts of the motor and its other metal parts is not subjected to the test	otek Anbotek Anbotek	NAN
19	Abnormal operation	Anbotek Anbotek Anbot	N
19.1	The tests of 19.7 to 19.9 are not carried out	Anbo. An abotek An	N.
10.10			





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M. wi	IEC 60335-2-9	w sotek Anbore	b1,
Clause	Requirement + Test	Result - Remark	Verdic
oter A	hot solek Anbor Arr	anbotes And	potek
	- short circuit of the terminals of the motor, including any capacitor incorporated in the motor circuit	Anbotek Anbotek Al	Anborek
Anbotek	- short circuit of each diode of the rectifier	stek anbotek Anbo	N
K	- open circuit of the supply to the motor	stek anbotek Anboro	N N
	- open circuit of any parallel resistor, the motor being in operation	Anbotek Anbotek Anbot	N
inbotek otek	Only one fault simulated at a time, the tests carried out consecutively	Anbotek Anbotek	Anbo'N'
22 no nok	Construction	Anb stek Anbotek	MAN
22.I.101	For class I appliances incorporating a motor supplied by a rectifier circuit, the d.c. circuit being insulated from accessible parts of the appliance by double or reinforced insulation	abotek Anbotek Anbotek	Nab otek
hotek	Compliance checked by the tests specified for double and reinforced insulation	Aupotek Aupote Au	Mtodny
J	ANNEX J (NORMATIVE) COATED PRINTED CIRCUIT BOARDS		Aupote.
Anbore	Testing of protective coatings of printed circuit board with IEC 60664-3 with the following modifications:	ds carried out in accordance	N
5.7	Conditioning of the test specimens	Anborek Anbo sek ab	otek N
botek	When production samples are used, three samples of the printed circuit board are tested	Anbotek Anbotek A	M ^{odolo}
5.7.1	Cold horek Anborek Anborek	Anno stek anbotek	Vup.
Anb	The test is carried out at -25 °C	Anti-	Noo
5.7.3	Rapid change of temperature	botek Anbotek	NN
Sk Aup	Severity 1 is specified	Anbotek Anbo tek nbr	Kek N
5.9	Additional tests	Anborek Anbo	Noted
Anbotek	This subclause is not applicable	Anbotek Anbo. A	Nok
K	ANNEX K (NORMATIVE) OVERVOLTAGE CATEGORIES		Aupo,
ik Anbe	The information on overvoltage categories is extracted from IEC 60664-1	otek Anbotek Anbotek	Nan'
lotek bi	Overvoltage category is a numeral defining a transient overvoltage condition	Anbotek Anbotek Anbo	potekN
Aupotek,	Equipment of overvoltage category IV is for use at the origin of the installation	Aupotek Aupotek	Anbo N ik







IEC 60335-2-9					
Clause	Requirement + Test	Result - Remark	Verdict		
otek	Annas Anbo tek anborek Anbo	hotek Anbote Anb	atek.		
Aupotek Vupotek	Equipment of overvoltage category III is equipment in fixed installations and for cases where the reliability and the availability of the equipment is subject to special requirements	Anbotek Anbotek Arbotek	Anborr Anborr		
k Anb	Equipment of overvoltage category II is energy consuming equipment to be supplied from the fixed installation	Thotek Anbotek Anbotek	N.nh		
upotek	If such equipment is subjected to special requirements with regard to reliability and availability, overvoltage category III applies	Anbotek Anbotek An	Anbotek Anbotek		
Anbore	Equipment of overvoltage category I is equipment for connection to circuits in which measures are taken to limit transient overvoltages to an appropriate low level	tek Anbotek Anbotek botek Anbotek Anbotek	An N on Anb		
L	ANNEX L (INFORMATIVE) GUIDANCE FOR THE MEASUREMENT OF CLEAR DISTANCES	RANCES AND CREEPAGE	otek -		
Anbotek	Information for the determination of clearances and creepage distances	Anbotek Anbotek	Anborel		
M	ANNEX M (NORMATIVE) POLLUTION DEGREE		r Hupo		
lek b	The information on pollution degrees is extracted from IEC 60664-1	Anbotek Anbotek Anb	otek P		
poter	Pollution	Anbore. And arek	upotek		
Anbotek Anbotek	The microenvironment determines the effect of pollution on the insulation, taking into account the macroenvironment	ek Anbotek Anbotek	Anb Pek		
ak Aupo	Means may be provided to reduce pollution at the insulation by effective enclosures or similar	Sotek Anborek Amborel	P		
otek	Minimum clearances specified where pollution may be present in the microenvironment	Anbotek Anbotek Anbr	P		
nbotek	Degrees of pollution in the microenvironment	Anbotek Anbotek A	, hotek		
Anbotek	For evaluating creepage distances, the following demicroenvironment are established:	grees of pollution in the	Anbot		
k Aupo,	- pollution degree 1: no pollution or only dry, non- conductive pollution occurs. The pollution has no influence	otek Anbotek Anbotek	Nach		
'upotek	- pollution degree 2: only non-conductive pollution occurs, except that occasionally a temporary conductivity caused by condensation is to be	Anbotek Anbotek Ar	Anbotek Anbotek		

expected





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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdic
inbotek Anbotek	- pollution degree 3: conductive pollution occurs or dry non-conductive pollution occurs that becomes conductive due to condensation that is to be expected	Anbotek Anbotek Anbotek	Pek Anborek Anbor
Anboro Anbo	- pollution degree 4: the pollution generates persistent conductivity caused by conductive dust or by rain or snow	nbotek Anbotek Anbotek	N ₂ Cl
N	ANNEX N (NORMATIVE) PROOF TRACKING TEST		otek_
Anborek	The proof tracking test is carried out in accordance following modifications:	with IEC 60112 with the	Anbore Anbore
7 Anboto	Test apparatus	otek Anbore An work	Anto
7.3 M	Test solutions	abotek Anbotes Anb	P
tek Ar	Test solution A is used	botek Anbotek Anbo	otek P
10	Determination of proof tracking index (PTI)	Anborek Anborek Ant	. et
10.1	Procedure	Anbotek Anbotek	P.
Aupr	The proof voltage is 100V, 175V, 400V or 600V:	Anbotek anbotek	Anbore
Aupo.	The test is carried out on five specimens	lek Vupo, W. Społek	P
ek Aupo,	In case of doubt, additional test with proof voltage reduced by 25V, the number of drops increased to 100	Anbotek Anbotek Anbote	N P
10.2	Report	Aupore K Motek	nbore"
Anbotek Anbotek	The report states if the PTI value was based on a test using 100 drops with a test voltage of (PTI-25) V	ek Anbotek Anbotek	AnbPreh
0	ANNEX O (INFORMATIVE) SELECTION AND SEQUENCE OF THE TESTS OF	CLAUSE 30	P.
otek	Description of tests for determination of resistance to heat and fire	Ambotek Ambotek Anb	botelP
P	ANNEX P (INFORMATIVE) GUIDANCE FOR THE APPLICATION OF THIS STA	ANDARD TO APPLIANCES	Anbotek Anbot
k Aupo,	Modifications applicable for class 0 and 01 appliance exceeding 150V, intended to be used in countries had climate and that are marked WDaE		N _A r
inbotek p	Modifications may also be applied to class 1 appliar exceeding 150V, intended to be used in countries h climate and that are marked WdaE, if liable to be excludes the protective earthing conductor	aving a warm damp equable	ootek Anbotek
5.7 Anbotek	The ambient temperature for the tests of clauses 11 and 13 is 40 +3/0 °C	stek Anbotek Anbores	N

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M. sal	IEC 60335-2-9	ou whole	b.u.
Clause	Requirement + Test	Result - Remark	Verdic
oter p	hotek Anbor An	anbotek And	notek
7.1 otek	The appliance marked with the letters WDaE	abotek Anbote An	N×
7.12	The instructions state that the appliance is to be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30 mA	otek Anbotek Anbotek	Ant N Anbore
otek Anbo	The instructions state that the appliance is considered to be suitable for use in countries having a warm damp equable climate, but may also be used in other countries	Anbotek Anbotek Anbotek Anbot	otek hotek
11.8	The values of Table 3 are reduced by 15 K	abotek Anbote	N _{rel}
13.2	The leakage current for class I appliances not exceeding 0,5 mA	tek Anbotek Anbotek	And Anb
15.3 Mb°	The value of t is 37 °C	botek Anbor An	K N p
16.2	The leakage current for class I appliances not exceeding 0,5 mA (mA):	Anbotek Anborok Ant	otek N
19.13	The leakage current test of 16.2 is applied in addition to the electric strength test of 16.3	Anbotek Anbotek	inbotel
Q	ANNEX Q (INFORMATIVE) SEQUENCE OF TESTS FOR THE EVALUATION O	OF ELECTRONIC CIRCUITS	Anbo
Ano	Description of tests for appliances incorporating ele-	ctronic circuits	NA
R	ANNEX R (NORMATIVE) SOFTWARE EVALUATION		stek
Anbotek Anbotek Anbote	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2 validated in accordance with the requirements of this annex	ak Anbotek Anbotek Anbotek Anbotek Anbotek	Anborek
R.1	Programmable electronic circuits using software		N N
Anbotek Anbotek	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2 constructed so that the software does not impair compliance with the requirements of this standard	Anbotek Anbotek Anbotek Anbotek	N potek Anbotek
R.2	Requirements for the architecture	otek Anbotek Anbot	N
otek Anbr	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2 use measures to control and avoid software-related faults/errors in safety-related data and safety-related segments of the software	Anbotek	ootek ootek







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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdic
ofer p	und hotek Anbor An tek	anboten And	potek
R.2.1.1	Programmable electronic circuits requiring softwar control the fault/error conditions specified in table structures:		Anborby Anborby
Anbotel	- single channel with periodic self-test and monitoring	nbotek Anbotek Anbotek	N Anl
	- dual channel (homogenous) with comparison	inbotek Anbotek inbot	N N
Her A	- dual channel (diverse) with comparison	Anbotek Anbo sek	ote ^K N
nbotek Anbotek	Programmable electronic circuits requiring software control the fault/error conditions specified in table structures:		Anbore
Anboten	- single channel with functional test	bytek Anboter And	N
anbo	- single channel with periodic self-test	notek Anbotek Anbo	Ň
rek or	- dual channel without comparison	Anbotek Anbotek Anbo.	N N
R.2.2	Measures to control faults/errors	Anbotek Antotek Ant	N
₹.2.2.1	When redundant memory with comparison is provided on two areas of the same component, the data in one area is stored in a different format from that in the other area		Anbore
R.2.2.2	Programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.2 and that use dual channel structures with comparison, have additional fault/error detection means for any fault/errors not detected by the comparison	Anbotek	nbotek Anbotek
R.2.2.3	For programmable electronic circuits with function requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, means are provided for the recognition and control of errors in transmissions to external safety-related data paths	Anbotek Anboten Anbotek	rek Wo
₹.2.2.4	For programmable electronic circuits with function requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, the programmable electronic circuits incorporate measures to address the fault/errors is safety-related segments and data indicated in table R.1 and R.2 as appropriate	ntotek Anbotek Anbotek	Anb N K Anbo
R.2.2.5	For programmable electronic circuits with function requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, detection of a fault/error occur before compliance with clause 19 and 22.115 is impaired	k Anbotek Anbotek An	oo ^{tek} N Anbotek Anbot

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V	IEC 60335-2-9	or hotek Anbore	D.
Clause	Requirement + Test	Result - Remark	Verdic
ofer by	hotek Anbor An	Anboret Anb	potek
R.2.2.6	The software is referenced to relevant parts of the operating sequence and the associated hardware functions	Anbotek Anbotek An	Anbonk
R.2.2.7	Labels used for memory locations are unique	stek Anbotek Anbott	N
R.2.2.8	The software is protected from user alteration of safety-related segments and data		N N
R.2.2.9	Software and safety-related hardware under its control is initialized and terminates before compliance with clause 19 and 22.115 is impaired (IEC 60335-2-9)	Anbotek Anbotek An	otek N Anbotek
R.3	Measures to avoid errors	lek abotek Anbote	A.O.
R.3.1	General	o. Anbotek Anbotes	Ŋ
tek An	For programmable electronic circuits with functions measures to control the fault/error conditions specif following measures to avoid systematic fault in the	ied in table R.1 or R.2, the	N orek
Anbotek Anbotek	Software that incorporates measures used to control the fault/error conditions specified in table R.2 is inherently acceptable for software required to control the fault/error conditions specified in table R.1	ek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbore Anbore
R.3.2	Specification	hoo. All botek Anbote	N
R.3.2.1	Software safety requirements:	Software Id:	N
boto l	The specification of the software safety requirements includes the descriptions listed	Anbotek Anbotek	nboten N
R.3.2.2	Software architecture	ek abotek Anbote	N
R.3.2.2.1	The specification of the software architecture includes the aspects listed	Document ref. No:	N
	- techniques and measures to control software faults/errors (refer to R.2.2);	Anbotek Anbotes Anb	rek
	- interactions between hardware and software;	Anbore And	potek
	- partitioning into modules and their allocation to the specified safety functions;	Anbotek Anbo	Anbotek
	- hierarchy and call structure of the modules (control flow);	k Anborek Anborek	Anbo
	- interrupt handling;	o. A. Potek Aupoten	b.
	- data flow and restrictions on data access;	Aupoter Aupo	ek
	- architecture and storage of data;	botek Anbore Ant	Nek
	- time-based dependencies of sequences and data	Arrange Arrang	Do.
R.3.2.2.2	The architecture specification is validated against the specification of the software safety requirements by static analysis	Anbotek Anbotek	Anbois

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	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
otek A	hotek Anbolt An	abote Anti	notek
R.3.2.3	Module design and coding	abotek Anbote A	N×
R.3.2.3.1	Based on the architecture design, software is suitably refined into modules	Anbotek Anboten	Anbotek Anbotek
Anboi	Software module design and coding is implemented in a way that is traceable to the software architecture and requirements	nbotek Anbotek Anbotek	Nanbe
R.3.2.3.2	Software code is structured	Anbotek Anbo tek	abotek N
R.3.2.3.3	Coded software is validated against the module specification by static analysis	Anbotek Anbotek	Anbo Nº
Anbotek	The module specification is validated against the architecture specification by static analysis	tek Anbotek Anbotek	ArN anbo
R.3.3.3	Software validation	notek Anboten Anbo	N
tek An	The software is validated with reference to the requirements of the software safety requirements specification	Anbotek Anbotek Anbo	totek N
hotek	Compliance is checked by simulation of:	borek Anbore	N. N.
Voiek	- input signals present during normal operation	ok hotek Anbotek	AMN
Pu.	- anticipated occurrences	e. Au. Potek Pupotek	N
Aug	- undesired conditions requiring system action	bose Aug tek abot	N An

Sofer	ANNEX S (NORMATIVE) BATTERY OPERATED APPLIANCES POWERED E NON-RECHARGEABLE OR NOT RECHARGED IN		nbotek nbotek
Anborek Anbor	The following modifications to this standard are applicable for battery-operated appliances where the batteries are either non-rechargeable (primary batteries), or	otek Anbotek Anbotek Anbotek Anbotek Anbotek	Noore
botek	rechargeable batteries (secondary batteries) that are not recharged in the appliance	Anbotek Anbotek Anbo	hotelN
5.8.1	If the supply terminals for the connection of the battery have no indication of polarity, the more unfavourable polarity is applied	Anbotek Anbotek	Anb Nek
5.S.101	Appliances intended for use with a battery box are tested with the battery box supplied with the appliance or with the battery box recommended in the instructions	nbotek Anbotek Anbotek	N _{Anb} o
5.S.102	Appliances are tested as motor-operated appliances.	Anborek Anborek Ar	poter N
7.1 Anbotek	Appliances marked with the battery voltage (V) and the polarity of the terminals, unless:	Anbotek Anbotek	Anborek Anborek
Aupore	the polarity is irrelevant	tek Aupon Aun potek	Nupo









Appliances also marked with: - name, trade mark or identification mark of the manufacturer or responsible vendor	Pic		IEC 60335-2-9	
- name, trade mark or identification mark of the manufacturer or responsible vendor	Verdic	Result - Remark	Requirement + Test	Clause
- name, trade mark or identification mark of the manufacturer or responsible vendor	potek	Pupote, Mun	A selling and a little week	ye. Ar
manufacturer or responsible vendor	Anbotek	Anbotek Anb	r abole An , otel	poter
- IP number according to degree of protection against ingress of water, other than IPX0	Anbot	Anbotek Anbo		Anbotek
against ingress of water, other than IPX0	N	tek Aupon Au Potek	- model or type reference:	Anbore
If relevant, the positive terminal is indicated by the symbol IEC 60417-5005 and the negative terminal by the symbol IEC 60417-5006 If appliances use more than one battery, they are marked to indicate correct polarity connection of the batteries 6 Additional symbols 12 The instructions contain the following, as applicable: — the types of batteries that may be used; — how to remove and insert the batteries — non-rechargeable batteries are not to be recharged — rechargeable batteries are to be removed from the appliance before being charged — different types of batteries or new and used batteries are not to be mixed — batteries are to be inserted with the correct polarity — exhausted batteries are to be removed from the appliance and safely disposed of — if the appliance is to be stored unused for a long period, the batteries are removed	N N	botek Anbotek Anbot		
symbol IEC 60417-5005 and the negative terminal by the symbol IEC 60417-5006 If appliances use more than one battery, they are marked to indicate correct polarity connection of the batteries Additional symbols The instructions contain the following, as applicable: — the types of batteries that may be used	oter N	Anbore k hotek Ant	- type reference of battery or batteries:	In Dr.
marked to indicate correct polarity connection of the batteries 7.6 Additional symbols 7.12 The instructions contain the following, as applicable: — the types of batteries that may be used	Anbore	Anbotek Anbotek	symbol IEC 60417-5005 and the negative terminal	Anbotek
The instructions contain the following, as applicable: - the types of batteries that may be used	N _{Ant}	botek Anbotek Anbotek	marked to indicate correct polarity connection of the	Anbore
- the types of batteries that may be used	otel N	Anbotet Anti-	Additional symbols	'.6
 how to remove and insert the batteries non-rechargeable batteries are not to be recharged rechargeable batteries are to be removed from the appliance before being charged different types of batteries or new and used batteries are not to be mixed batteries are to be inserted with the correct polarity exhausted batteries are to be removed from the appliance and safely disposed of if the appliance is to be stored unused for a long period, the batteries are removed 	-potek	Vupotek Vupo. Wk	The instructions contain the following, as applicable:	.12
 non-rechargeable batteries are not to be recharged rechargeable batteries are to be removed from the appliance before being charged different types of batteries or new and used batteries are not to be mixed batteries are to be inserted with the correct polarity exhausted batteries are to be removed from the appliance and safely disposed of if the appliance is to be stored unused for a long period, the batteries are removed 	Nye	upotek Anbore	- the types of batteries that may be used:	abotek
rechargeable batteries are to be removed from the appliance before being charged - different types of batteries or new and used batteries are not to be mixed - batteries are to be inserted with the correct polarity - exhausted batteries are to be removed from the appliance and safely disposed of - if the appliance is to be stored unused for a long period, the batteries are removed	N	ak abotek Anbote	- how to remove and insert the batteries	borek
the appliance before being charged - different types of batteries or new and used batteries are not to be mixed - batteries are to be inserted with the correct polarity - exhausted batteries are to be removed from the appliance and safely disposed of - if the appliance is to be stored unused for a long period, the batteries are removed	N	otek Anbotek Anbotek		Anbore
batteries are not to be mixed - batteries are to be inserted with the correct polarity - exhausted batteries are to be removed from the appliance and safely disposed of - if the appliance is to be stored unused for a long period, the batteries are removed	ntek N	Anbotek Anbotek Anbo		stek Anb
polarity - exhausted batteries are to be removed from the appliance and safely disposed of - if the appliance is to be stored unused for a long period, the batteries are removed	nbo ^{tel}	Anbotek Anbotek		Anbotek
appliance and safely disposed of — if the appliance is to be stored unused for a long period, the batteries are removed	N	k Anbotek Anbotek		Anbotek
period, the batteries are removed	N N	obotek Ambotek Ambote		k Anbo
- the supply terminals are not to be short-circuited	botelN	Anbotek Anbotek Anb		otek A
10	Anb Nex	Aupor Aus Totak	the supply terminals are not to be short-circuited	nborn
1.5 Appliances are supplied with the most unfavourable supply voltage between	N400	supply voltage between	Appliances are supplied with the most unfavourable	1,5\botes
 0,55 and 1,0 times the battery voltage, if the appliance can be used with non-rechargeable batteries 	N Ar	nbotek Anbotek Anbotek	appliance can be used with non-rechargeable	Anbotek Anbotek
 0,75 and 1,0 times battery voltage, if the appliance is designed for use with rechargeable batteries only 	potek N	Anbotek Anbotek An	appliance is designed for use with rechargeable	tek Ar

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account





	IEC 60335-2-9		
Clause	Requirement + Test	Result - Remark	Verdict
19.1	The tests are carried out with the battery fully	Anbore An	N.
19.1	charged unless otherwise specified	Anbore Ann abotek	Anbotek
9.13	The battery does not rupture or ignite	Anbor Air hotek	Mote
9.S.101	Appliances are supplied with the voltage specified in 11.5. The supply terminals having an indication of polarity are connected to the opposite polarity, unless	potek Anbotek Anbotek	N Ant
nbotek	such a connection is unlikely to occur due to the construction of the appliance	Amborek Anborek An	N Notek
19.S.102	For appliances with provision for multiple batteries, one or more of the batteries are reversed and the appliance is operated, if reversal of batteries is allowed by the construction	ek Anbotek Anbotek	Anbote Anb
25.5	The flexible leads or flexible cord used to connect an external battery or battery box in is connected to the appliance by a type X attachment	Anbotek Anbotek Anbotek Ant	N P
25.13	This requirement is not applicable to the flexible leads or flexible cord connecting external batteries or a battery box with an appliance	Anbotek Anbotek	anbotek
25.S.101	Appliances have suitable means for connection of the battery. If the type of battery is marked on the appliance, the means of connection is suitable for this type of battery	otek Anbotek Anbotek	N. A.
26.5	Terminal devices in an appliance for the connection of the flexible leads or flexible cord connecting an external battery or battery box are so located or shielded that there is no risk of accidental connection between supply terminals	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	nboreN Anborek Anbor
30.2.3.2	There is no battery in the area of the vertical cylinder used for the consequential needle flame test, unless	otek Anbotek Anbotek	lek N M
oter p	the battery is shielded by a barrier that meets the needle flame test of Annex E, or	Anbotek Anbotek Ar	iboteN otek
Anbotek	that comprises material classified as V-0 or V-1 according to IEC 60695-11-10	Anbotek Anboteh	Anbot
Anbore	ANNEX T (NORMATIVE) UV-C RADIATION EFFECT ON NON-METALLIC M	IATERIALS	- An
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	the battery is shielded by a barrier that meets the needle flame test of Annex E, or that comprises material classified as V-0 or V-1 according to IEC 60695-11-10 ANNEX T (NORMATIVE)	Anborek Anbore	An'

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materials



No

Does not apply to glass, ceramic and similar



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	IEC 60335-2-9	
Clause	Requirement + Test Result - Remark	Verdic
oter A	upo kotek Aupon All tek upoten And	-otek
botek	Tested as specified in ISO 4892-1 and ISO 4892-2, with the following modification	ons: N
Votek	Modifications to ISO 4892-1:	And N
5.1.6	The UV-C emitter is a low pressure mercury lamp with a quartz envelope having a continuous spectral irradiance of 10 W/m2 at 254 nm	orek An
rak by	Subclause 5.1.6.1 and Table 1 are not applicable	'upoh N
5.2.4	The black-panel temperature shall be 63 °C +/- 3 °C	Anbote N
5.3.1	Humidification of the chamber air is specified in part 2 when necessary	Ambore
9 Anbore	This clause is not applicable	Note Not
Anbor	Modifications to ISO 4892-2:	work N
7:1 An	At least three test specimens are tested	ntek N
hotek	Ten samples of internal wiring is tested	Ant N
7.2	The specimens are attached to the specimen holders such that they are not subject to any stress	Anbotel
7.3 Model	Apparatus prepared as specified	No No
Anbore	The test specimens and, if used, the irradiance-measuring instrument are exposed for 1 000 h	hotel N
7.4	If used, a radiometer is mounted and calibrated such that it measures the irradiance at the exposed surface of the test specimen	Anbotek N
7.5 Ambotok	Material properties and test methods for parts providing mechanical support or impact resistance as specified in Table T.1	ek Anbo
ek Anbo	Material properties and test method for electrical insulation of internal wiring as specified in Table T.2	ootek N _A



Ν

This clause is not applicable



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10.1 TABLE: Pow	er input deviation	on Ambore A			P P
Input deviation of/at:	P rated (W)	P measured (W)	ΔΡ	Required Δ P	Remark
AC230V, 50Hz	1350W	1285W	-4.8%	+5%, -10%	Anb P rek
AC230V, 60Hz	1350W	1309W	-3.1%	+5%, -10%	P

10.2	TABLE: Curre	TABLE: Current deviation		Anbotek	Vupo, rek	aborek N Ant
Current de	viation of/at:	I rated (A)	I measured (A)	ΔΙ	Required Δ I	Remark
Supplemen	tary information:	Aupo, Mr.	botek Anbote	Ann	otek Anbotek	Mupo.

11.8	TABLE: Heating test	or br.	tek Anbote	Aug Olek	Bupo
k Aupo	Test wattage (W)	·	1.15x 135	0=1552.5W	_
otek pr	Ambient, t1 (°C)		anbotek 2	4.0	
nbotek	Ambient, t2 (°C)		Amborek 2	4.1	
Thermocouple locations			erature rise d, Δ T (K)	Max. temperat	
Supply cord insulation		yotek Antas	9.6	50	Anbo
Test corne	rek anbotek Anbotek A	hotek A	2.2	65	PL
Fan motor	winding / Motor bobbin	Anbotek 77	7.5 Marek	115(Class 155) 30.1	/Clause
Internal en	closure	Anbor 50	0.4	Clause 30.1	
Motor lead	wire Anbores	rek Anboic 6	1.7 Am hotek	155(T180-25)	
Internal wii	re Anbotek Anbo	botek Anbor	2.1	155(T180-25)	
NTC lead \	wire Anborek Anbo	obotek 64	1.6	175(T200-25)	
Ribbon cal	ole Anbotek Anbo	abotek 43	43.4		5)
Ambient of	f non-self-resetting thermal cut-out	W abotek 8	1.7 _{Anboher}	For reference	
Centre of o	container	bote 15	9.0	For reference	
PCB	Anto tek Anbotek Anbot	3	.5 Amboren	120	
X2 capacit	or Anb tek anbotek An	43	3.3° Mahar	60(T85-25)	
Varistor		45	45.5		5)
Relay	Aupotek Aupotek	Anbore 45	5.8	60(T85-2	5)
Control pa	nel	Anbore 10	0.8	Clause 30	0.1
Plastic end	closure (hottest point, inside)	Anbore 38	3.9	Clause 30	0.1
Top cover	k aborek Anbo	30	0.3	Clause 30).1 Anbore









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Bottom cover	23.6	Clause 30.1
Ambient of Biased-off switch	43.7	100(T125-25)
Air outlet grille	64.3	Clause 30.1
Handle of container	14.6	60
Supplementary information:	otek Anbotes Anbo	k anbotek Anbote

11.8	TABLE: Heating tes	st, resistance i			abotek	P	
over Ar	Test voltage (V)			Aupotek	254.4	P	_
anbotek	Ambient, t1 (°C)	Ambient, t1 (°C)				barr	_
anborek	Ambient, t2 (°C)			: K ant	24.3	e/K	_
Temperatur	re rise of winding	R1 (Ω)	R2 (Ω)	Δ T (K)	Max. Δ T (K)	Insul cla	ation iss
Fan motor v	winding	282.6	350.3	62.3	115	Class	s 155
Supplemen	tary information:	Anbore	Ann	anbotek	Anba	abote a	N.

13.2	TABLE: Leakage current		Anbo. Brek
anbotek	Heating appliances: 1.15 x rated input (W):	1.15x 1350=15	52.5W —
Anbot	Motor-operated and combined appliances: 1.06 x rated voltage (V):	Anborek Anberek	k Vupote ₁ —
Leakage cu	irrent between	I (mA)	Max. allowed I (mA)
Live part ar	nd accessible plastic parts	0.01	0.25
Live part ar	nd earthed metal parts	0.01	0.75
Supplemen	tary information:	ek abotek	Aupor K Pur

13.3	TABLE: Dielectric strength	Anb.	tek Anbors P Arr
Test volta	age applied between:	Test potential applied (V)	Breakdown / flashover (Yes/No)
Live part	and earthed metal parts	1250	No No
Live part	and accessible plastic parts	3000	No
Supplem	entary information:	Anbu tek abotek	Anbore Am

14	TABLE: Transient overvoltages		anbotek	Anbore	abotek	'upo, N Vu
Clearance between: Cl (mm)		CI (mm)	Required CI (mm)	Rated impulse voltage (V)	Impulse test voltage (V)	Flashover (Yes/No)
Supplement	tary information:	hotek Anb	yer And	sek abote	k Anbor	Air work

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16.2 mb°	TABLE: Leakage current	notek Anbotel	Anb. ek P
botek Ar	Single phase appliances: 1.06 x rated voltage (V)	240x1.06=2	54.4V —
Anbotek	Three phase appliances 1.06 x rated voltage divided by √3 (V):	Anbotek A	Anbotek —
Leakage cui	rrent between	I (mA)	Max. allowed I (mA)
Live part an	d accessible plastic parts	0.01	0.25
Live part an	d earthed metal parts	0.01	0.75
Supplement	ary information:	Anboro Ann	otek anbotek

16.3	TABLE: Dielectric strength		Anbore Prek
Test voltag	ge applied between:	Test potential applied (V)	Breakdown / flashover (Yes/No)
Live part a	nd earthed metal parts	1250	No. No.
Live part a	nd accessible plastic parts	3000	No
Supply cor	rd and accessible metal parts	1250	No
Supplemen	ntary information:	Aupon ok Potek	Anbotes Anb

19	Abnormal o	peration cond	itions				P MAIN
Operationa	l characteristic	S	YES/NO	Operational	I conditions		
	lectronic circuit ce operation?	s to control	Vupotek Vup	tek Anbi	botek And	nbotek A	nbotek
Are there "d	off" or "stand-by	y" position?	- abotek A	100, - K	hotek	Anboten	Aupr
	nded operation esults in dange n?		- Anbotek	Anborek Anborek	Anbotek	Anbotek Anbotek	Anbo
Sub- clause	Operating conditions description	Test results description	PEC description	EMP 19.11.4	Software type required	19.11.3 PEC	Final result
19.2	nbotek	Aupor	Ar.	N.A	los sek	abotek	B/po,
19.3	botek	Anbore	And	anbotek	Anbo	botek	P Anbore
19.4	ok potel	Anbore	And	anbotek	Aupo, ak	hotek	P Anb
19.5	/ Pro-	rek Anbor	Anbo rek	nbotek	Pupor	r bi.	P
19.6	Posen Burn	orek an	otek Anbo	N.A	ek Aupo,	D. D.	Nex
19.7	Lock motor	up.	upotek Aupo	Pr.	otek An	pote. An	Parek
19.8	Anboren	Aupo	abotek An	DOL BL	notek	Anboter	N wek
19.9	anbotek	Aupo, rok	abotek	Aupoto.	Vu.,	Anbotek	PAnbo,
19.10	ek Anborek	Anboro	k potek	Anbores	Aug	anbotek	N Anbo
19.11.2	otek nobo	lek Aupor	ok hotek	Anborell	AUG	K Noor	P A

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19.11.4.8	potek	Aup	- 4	otek	Anbore	k bu	3ex	Anbo	ek A	Upo	Pok
19.10X	nbotek	Pupo.	ok k	-potek	Anbore	Vun	Nek	5	potek	Ar	N
Supplemen	ntary informa	ation:		pi,	Anb	oter. P	up.		potek	•	Vupo,

19.7	TABLE: Abnorma	al operation, lock	ing parts	ng parts			
Anbo	Test voltage (V)	otek Anbo	240	porek	_		
sk Vupo	Ambient, t1 (°C)	inbotek A	23.6	-bott	_		
otek An	Ambient, t2 (°C)	Ambient, t2 (°C)				Bu.	_
Temperatur	e of winding	R1 (Ω)	R2 (Ω)	Δ T (K)	T (°C)	Ma	x. T (°C)
Fan motor winding		288.6	371.2	ek - abotek	97.5	-V-	240
Supplement	tary information:	m atek anbo	yek Aubo	rek apo,	iek Aupor	i,	bus, rot

19.9	TABLE: Abnormal operation, running overload				abotek p	upoke	P AC
O	Test voltage (V):				240	Anb	_
upor	Ambient, t1 (°C)		:	Aupor	23.2		
Aupole	Ambient, t2 (°C)		::	Aupole	23.0	-	_
Temperat	ture of winding	R1 (Ω)	R2 (Ω)	Δ T (K)	T (°C)	Max	с. Т (°С)
Fan motor winding		150.9	193.1	obotek_ p	81.2	hotek	200
Suppleme	entary information:	anbotek	Aupo.	borek	Anbore A	o'i	ek

19.13	TABLE: Abr	ormal operation,	temperature rise	s hotek	Anboten And Prek
Thermocouple locations		Max. tempe	Max. temperature rise limit, Δ T (K)		
		19.2	19.3	19.4	, ()
Supply core	d insulation	16.0	18.9	25.6	150
Test comer	Tupo. Mr.	8.3	11.3	13.6	150
Plastic enc	losure	44.5	49.1	57.7	Clause 30.1
Top cover	Anbore	39.2	44.9	51.2	Clause 30.1
Bottom cov	er Ambore	17.9	22.9	36.2	Clause 30.1
Internal end	closure	76.8	84.8	106.1	Clause 30.1
Air outlet gi	rille ek Ant	110.2	115.0	97.5	Clause 30.1
Fan motor	winding	inbotek Anbo	rek - abotek	101.5℃	240°C(class 155)
Supplemen	ntary informatio	n: Anbotek Anb	tek Alimbotel	k Anboren	Anbotek Anbotek

All the state of t	21.1 TABLE: Impact resistance		- P
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Impacts per surface		Surface tested	Impact energy (Nm)	Comments	
*ek	3,otek A	Plastic enclosure	0.5	mbotek Ploo	
-tel-	3 potek	Top cover	0.5	anbotek Panbot	
Upo.	3 hotek	Air outlet grille	0.5 Above	botek P Anbote	

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Plug	Ching Cheng Wire Material Co Ltd	EL-210	13A 250V~	BS1363	KM39096
Anbotek Altotek	DONGGUAN KUNZE ELECTRONICS CO LTD	KE-302	10A 250V	UL1691	UL E330321
nbotek Alt Anbot	Foshan Shunde Tianju Electrical Appliance Ind. Co., Ltd.	TJ-03	16A 250V~	DIN VDE 0620-2- 1	VDE 40007971
Anborek Alit Hek Anborek	United Nations University Yip's Electrical (Shenzhen) Co., Ltd.	9518	13A 250V~	BS1362	ASTA 1300
Anborek Anborek	United Nations University Yip's Electrical (Shenzhen) Co., Ltd.	9518	13A 250V~	SS145 :Part 1:2010	141881-12
Alt Model	FOSHAN ANDEN INDUSTRIAL CO LTD	DL203	13A 250V~	MS 589-1:2011	PC003697
Alt	Goldland Lnternational Pte Ltd	A168	13A 250V∼	BS1363	070638-12
otek Alt Anbotek	Foshan Anden Industry CoLltd	DL-013	13A 250V∼	BS1363	KM 69826
Alt	Zhongshan City Xiangmeng Electric CoLltd	XM-013	13A 250V \sim	BS1363	4307540.01







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	D11.	Total Pup.	K	N 1000	Dr.	ater and
olek-		Anbo Motek	ipotek Anbo	ack All abotek	Anboten A	los potek Al
nbotel	Alt Model	Zhongshan Guzhen Tengxiang Wires	GZ-2S-D	250VAC 16A	IEC 60227-5	VDE 40024879
Anbo	Die Bir.	& Cables Factory,	Aupa	abotek Anb	or Arr Potek	Anboten
P,		-otek Anbotek	Aupo,	abotek I	inpose. And	ek anbotek
У-	Alt	Jiangmen Brothers Wire & Cable Co., Ltd	XD-88	250VAC 13A	BS 1363-1	ASTA: 1410
botek	Alt Anbor	Jiangmen Brothers Wire & Cable Co., Ltd	XD-302	250VAC 16A	KC60884- 1(2015-07)	SU04269- 20002
PL	Alt And	Jiangmen Brothers Wire & Cable Co., Ltd	XD-302	250VAC 16A	DIN VED 0620- 2-1 IEC 60884-1	VDE4005240 2
knbot otek	Alt Anbore	GUANGDONG HUASHENG ELECTRICAL APPLIANCES CO., LTD.	CT-109	10A 250V	CEI 23-50 - II Ed. 2007 + V1:2008 + V2:2011	CA02.02637
Ani	Ant Alt	JIANGMEN BROTHERS WIRE & CABLE CO., LTD.	XD-305	10A 250V	ABNT NBR NM 60884-1:2010	TÜV 23.0316
nbote	Alt Anbore	Foshan Shunde Tianju Electrical Appliance Ind. Co., Ltd.	TJ-009、TJ- 007	10A 250V~	GB/T1002; GB/T2099.1; IEC 60884-1	20030102010 30478
Ant	Anborek	ZHONGSHAN CITY WEIFENG ELECTRIC APPLIANCE CO.,LTD	WF-310B	10A 250V∼	GB/T1002; GB/T2099.1; IEC 60884-1	20130102016 10851
nbotel Anb	Alt	Zhongshan ChuangHong Cable Manufacturer Co., Ltd.	T3-10	10A 250V	GB/T1002; GB/T2099.1; IEC 60884-1	20040102011 14879
lek botek	Anborek Alt Anborek	Zhongshan Guanling Hardware Electrical Appliance Co., Ltd.	GL-10	10A 250V∼	GB/T1002; GB/T2099.1; IEC 60884-1	20080102012 98357
Anbo	Alt	Zhongshan Qiangli Electrical Factory Co., Ltd.	QL-026	10A 250V \sim	GB/T1002; GB/T2099.1; IEC 60884-1	20140102017 46171







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Alt	YUYAO SENHAO CABLE CO.,LTD	PSB-10D	10A 250V~	GB/T1002; GB/T2099.1; IEC 60884-1	20140102017 41041
Alt	Foshan Shunde Ronggui Junhui Wire & Cable Factory	T3-10	10A 250V \sim	GB/T1002; GB/T2099.1; IEC 60884-1	20030102010 36334
Alt	Guangdong Yongneng Cable Co., Ltd.	SP03	10A 250V \sim	GB/T1002; GB/T2099.1; IEC 60884-1	20020102010 07987
Anborek Anborek Anborek	ZHONGSHAN NANTOU YAOSHI RONGGUANG HARDWARE & ELECTRICAL APPLIANCE ACCESSORIES FACTORY	GM-310	10A 250V∼	GB/T1002; GB/T2099.1; IEC 60884-1	20110102014 90726
Anborek Anbore	ZHONGSHAN GUANGXIONG ELECTRIC MANUFACTORY CO.,LTD	PSB-10	10A 250V∼	GB/T1002; GB/T2099.1; IEC 60884-1	20080102013 13352
Anborek Anborek	FOSHAN SHUNDE PENGLONG ELECTRIC APPLIANCE INDUSTRY CO.,LTD	PL3-10	10A 250V~	GB/T1002; GB/T2099.1; IEC 60884-1	20040102011 20627
Alt	ZHONGSHAN GUZHEN TENGXIANG ELECTRICAL WIRE & CABLE FACTORY	TX-02	10A 250V∼	GB/T1002; GB/T2099.1; IEC 60884-1	20040102011 03563
Power cord	Foshan Shunde Tianju Electrical Appliance Ind. Co., Ltd.	H05VV-F H03VV-F	3×0.75mm	EN50525-2-11	VDE400075 40
Alt	Sinofair (Hong Kong) Ltd.	H05VV-F H03VV-F	3×0.75mm2	IEC 60227-5	VDE125483
Anborek Anborek Anborek Anborek	Zhongshan Xiaolan Xinghui Electric Manufacturing Factory	H05VV-F H03VV-F	3×0.75mm2	IEC 60227-5	VDE400361 10







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Alt Model	Zhongshan Guzhen Tengxiang Wires & Cables Factory,	H05VV-F	3×0.75mm²	IEC 60227-5	VDE 30017286
Alt	Jiangmen Brothers Wire & Cable Co., Ltd	H05VV-F	3×0.75mm²	IEC 60227-5	ASTA : 22631
Alt	Jiangmen Brothers Wire & Cable Co.,Ltd.	H05VVH2-F	3x0.75mm²	IEC 60227-5	TUV23.0320
Anborek Alt Anbor	Jiangmen Brothers Wire & Cable Co.,Ltd.	H05VV-F	3x0.75mm²	IEC 60227-5	TÜV 23.0321
Anbotek Anbotek Anbotek Anbotek	Guangdong Hongshanchuan Electronic Technology CoLtd.	H05VV-F	3x0.75mm²	DIN EN 50525-2- 11	VDE4003720 6
mbotek Alt Anbote	Jiangmeng Brothers Wire & Cable Co., Ltd.	H05VV-F	3x0.75mm²	SU01191-19002	NSW28169
Anborek Altrek Anborek	Zhongshan Guzhen Tengxiang Electrical Wire & Cable Factory	60227 IEC 53(RVV) 300/500V	3×0.75mm	GB/T 5013.4 IEC 60227-5	20030101050 28236
Anbotek Alt Anbotek	Foshan Shunde Tianju Electrical Appliance Ind. Co., Ltd.	60227 IEC 53(RVV) 300/500V	3×0.75mm	GB/T 5013.4 IEC 60227-5	20030101050 30537
Anborek Alt sek Anborek	ZHONGSHAN CITY WEIFENG ELECTRIC APPLIANCE CO.,LTD	60227 IEC 53(RVV) 300/500V	3×0.75mm	GB/T 5013.4 IEC 60227-5	20080101052 90053
Anbotek Anbo	Zhongshan ChuangHong Cable Manufacturer Co., Ltd.	60227 IEC 53(RVV) 300/500V	3×0.75mm	GB/T 5013.4 IEC 60227-5	20040101051 15237
ek Anbotek botek Alt Anbotek Anbotek Anbot	Zhongshan Guanling Hardware Electrical Appliance Co., Ltd.	60227 IEC 53(RVV) 300/500V	3×0.75mm	GB/T 5013.4 IEC 60227-5	20090101053 19223
Alt	Zhongshan Qiangli Electrical Factory Co., Ltd.	60227 IEC 53(RVV) 300/500V	3×0.75mm	GB/T 5013.4 IEC 60227-5	20130101055 94604







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Alt	YUYAO SENHAO CABLE CO.,LTD	60227 IEC 53(RVV) 300/500V	3×0.75mm	GB/T 5013.4 IEC 60245-4	20140101056 93712
Anborek Ant	Foshan Shunde Ronggui Junhui Wire & Cable Factory	60227 IEC 53(RVV) 300/500V	3×0.75mm	GB/T 5013.4 IEC 60245-4	20090101053 22801
Alt	Guangdong Yongneng Cable Co., Ltd.	60227 IEC 53(RVV) 300/500V	3×0.75mm	GB/T 5013.4 IEC 60227-5	20020101050 25809
Anbotek Alt Anb	Zhongshan Nantou JiuPai Electric Wire Factory	60227 IEC 53(RVV) 300/500V	3×0.75mm	GB/T 5013.4 IEC 60227-5	20180101050 40163
Anbotek Alt	ZHONGSHAN GUANGXIONG ELECTRIC MANUFACTORY CO.,LTD	60227 IEC 53(RVV) 300/500V	3×0.75mm	GB/T 5013.4 IEC 60227-5	20080101053 17799
Anbotek Anbotek Anbotek Anbotek Anbotek	FOSHAN SHUNDE PENGLONG ELECTRIC APPLIANCE INDUSTRY CO.,LTD	60227 IEC 53(RVV) 300/500V	3×0.75mm2	GB/T 5013.4 IEC 60227-5	20040101051 20827 Tested With Appliance
nbotek Alt Anbot	Zhongshan Guzhen Tengxiang Electrical Wire & Cable Factory	60227 IEC 53(RVV) 300/500V	3×0.75mm2	GB/T 5013.4 IEC 60227-5	20030101050 28236
Alt	Guangdong Detong Electric Wire & Cable Co., Ltd.	60227 IEC 53(RVV) 300/500V	3×0.75mm2	GB/T5023.5- 2008/IEC60227- 5:2003	20170101050 29413
Anbotek Anbotek	ZHONGSHAN CITY MEIJING ELECTRIC APPLIANCE CO.,LTD	60227 IEC 53(RVV) 300/500V	3×0.75mm2	GB/T5023.5- 2008/IEC60227- 5:2003	20080101053 05132
ek Altorek	Zhongshan Xufeng Electric Technology Co.,Ltd.	60227 IEC 53(RVV) 300/500V	3×0.75mm2	GB/T5023.5- 2008/IEC60227- 5:2003	20210101053 76700







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olek Anbotek	Dongguan	ipotek Aupo	notek Anbotek	GB/T 9364.3- 2018;	onbotek Ar
Sub-miniature fuse-links	Chevron Electronic	SET	T3.15A 250V	GB/T9364.1- 2015	CQC2019010 207174851
Anbo, An	Technology Co., Ltd.		Anbotek Anb	IEC60127-1 IEC60127-3	
All	Anbater Anba	ok hotek	Pupoug b	·	er vup
Anbo abotek	DONGGUAN REOMAX		ak Anbotek	GB/T 9364.3- 2018;	potek Anbor
Alt	ELECTRONICS TECHNOLOGY	SET	T3.15AL a.c. 250V	GB/T9364.1- 2015	CQC2001223 7230
hod hol	CO., LTD.		Anboten Anbo	IEC60127-1	
Anbore And	otek Anbotek	Aupo, rek	abotek Anbo	IEC60127-3	Anbotek
Anbore. An	Xucheng	ak abotek	Aupotek V	GB/T 9364.3- 2018;	Anbotek Anbotek
Alt	Electronics (Shenzhen) Co.,	otek 5TE Anbote	T3.15A250V T5A250V	GB/T9364.1- 2015	20209702070 00073
-k wotek	Ltd.		otek 10/1200V	IEC60127-1	Anbore An
tote. And	k anbotek		abotek Anbote.	IEC60127-3	Anborek
Anborek Anb	otek Anbotek	Anbotek	Anbotek Anbo	GB/T 9364.3- 2018;	Anbotek
Alt	Honghu Bluelight Electronic Co.,	L5CT	T10AH250V	GB/T9364.1- 2015	CQC2011010 207487490
-k hotek	Anbore Ltd. And		Anbo	IEC60127-1	207 107 100
Ant	Anbotek Ant		stek Anboter	IEC60127-3	inbotek Anb
otek Anbotel	Anbotek	inpo, apolek	nbotek Anboren	GB/T 9364.3- 2018;	Anborek A
Alt And	Shenzhen Lanson Electronics	SMT	T3.15A250V	GB/T9364.1- 2015	20209702070 00101
abotek A	Co.,Ltd.	Anbotek	Anbo	IEC60127-1	V worker
k Potek	Anboten Anb		Anbore	IEC60127-3	
olek Anbotek	Dangguer Datter	abotek Anbo	lek Aupon	GB/T 9364.3- 2018;	hoter And
Softek Alt Anbotes	Dongguan Better Electronics Tochnology Co	932	T3.15AL250V	GB/T9364.1- 2015	20209702070 00039
Anbotek Anbo	Technology Co., Ltd.	Anbotek	Anboro K Air	IEC60127-1	00039
And hotek Ar	botek Anbo		Anboten Ant	IEC60127-3	Anborek
K Anbotek	Anbotek Anbo	iek Anbotek	Anborek wotek	GB/T 9364.3- 2018;	les Aupo
Alt	Dongguan Better Electronics	botek and Anbo	Aub. Pak	GB/T9364.1-	20209702070
Alt Anbotek			F6.3AL250V	2015	00043
nboter And	Ltd.	Anbotek An	hotek Anbote	IEC60127-1	anbotek
abotek Anbo	-k hotek	Anbotek	Ans tek and	IEC60127-3	hotek.





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Ant	netek anbi	o, b,	ok spore.	Ann	tek anbi
otek Alt Anborek	Dongguan Better Electronics Technology Co., Ltd.	332	T6.3AL250V	GB9364.1 IEC60127-2	: 20209702070 00044
Relay	Sanyou Corporation Limited	SRD-S- 112DM	7A 250VAC	GB/T21711.1- 2008 IEC61810-1 IEC 60730-1	CQC020010 02126
Alt	Ningbo City Zhenhai Sheng Haiwei Electronic Company Ltd	JQC-3FF	7A 250VAC	GB/T21711.1- 2008 IEC61810-1 IEC 60730-1	CQC0700101 9643
Anbotek Anbotek	Ningbo Boyue Electronics Co., Ltd.	HT3F	10A 250VAC	GB/T21711.1- 2008 IEC61810-1 IEC 60730-1	CQC1700217 5984
Alt	ZHEJIANG HKE RELAY CO., LTD	HRS4H-S- DC12V	10A 250VAC	GB/T21711.1- 2008 IEC61810-1 IEC 60730-1	CQC0800202 7614
Alt	XIAMEN HONGFA ELECTROACOUS TIC CO.,LTD	HF115F(JQX- 115F)	16A 250VAC	GB/T21711.1- 2008 IEC61810-1 IEC 60730-1	CQC0800202 8130
Alt Annual Annua	WangRong Electronics (Shenzhen) Co., Ltd	RB-112DMF5	277VAC,16A 12VDC	GB/T21711.1- 2008 IEC61810-1 IEC 60730-1	CQC1200208 6471
Alt	Sanyou Corporation Limited	SRD、SRDV	10A 250VAC	GB/T21711.1- 2008 IEC61810-1 IEC 60730-1	CQC0200100 2126
Alt	SHENGZHEN GOLDEN ELECTRICAL APPLIANCES CO., LTD	GH-1A-5L	10A 250V	GB/T 9364.3- 2018; GB/T9364.1- 2015 IEC60127-1 IEC60127-3	CQC0900202 8357
Alt	Zhongshan HongZhiTai Electric Appliances Co,.Ltd	C801-1A-5L	10A 277VAC	GB/T 21711.1- 2008 IEC60127-1 IEC60127-3	CQC1600214 8424





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And	stek subc	Di. 1511.	ok hoter	And	stek anb
orek Alt Anborek	SHENZHEN GOLDEN ELECTRICAL APPLIANCES CO,.LTD.	GH-1A-5L	10A 277VAC	GB/T 21711.1- 2008 IEC60127-1 IEC60127-3	CQC1700217 3709
Anborek AnAlt	SHENZHEN GOLDEN ELECTRICAL APPLIANCES CO,.LTD.	GH-1A-5L	12A 250VAC 10A 250VAC	GB/T 21711.1- 2008 IEC60127-1 IEC60127-3	CQC1400210 5590
Micro Switch	LECI ELECTRONICS CO., LTD.	MS801	16A 250VAC μ 1E4 T125	EN IEC 61058- 1:2018 EN 60158-1- 1:2016	TUV R 50282946 0002
Alt	LECI ELECTRONICS CO., LTD.	PS102\ PS102B	6(4)A 250V T105	IEC/EN 61058-1 ANSI/UL 61058-1	TUV R 50282216
Alt	YUEQING SIYING ELECTRONICS CO.,LTD.	MS1	10A/20A 250VAC T85	EN 61058- 1:2002+A2 IEC 61058-1	TUV R 50379654
Anbore	LECI Electronics Co., Ltd.	MS801	16A 250VAC µ 1E4 T85	GB/T15092.1- 2010 EN 60158-1	CQC0500201 3690
Hek Alt Potek	DongNan Electronics Co.,LTD	KW3A	16(4)A 250V T105	GB/T15092.1- 2010 EN 60158-1	CQC0400201 1514
Anbore Alt Anb	DONGNAN ELECTRONICS CO.,LTD	MS10-16	16(4)A 125VAC/250V T105	GB/T15092.1- 2010 EN 60158-1	CQC1000204 8742
And Andorek	Guangdong Hushun Electric Appliance Co., Ltd.	LXW-16-2-3	16A 250V T125	GB/T15092.1- 2010 EN 60158-1	CQC0500201 4897
Anbore Alt Anbo	Yueqing Luster Electronics Co., Ltd	KAP-01-2	15A 250VAC T85/55	GB/T15092.1- 2010 EN 60158-1	CQC1000204 7027
Alt	Guangdong Yushun Electric Appliance Ltd	KW-16	16A 250V T125	GB/T15092.1- 2010 EN 60158-1	CQC1000204 4165
anbotek Alt Anbotek	Tongde Electronics Electric Appliances Co., Ltd.	KW-16	16A 250VAC T105	GB/T15092.1- 2010 EN 60158-1	CQC1000205 1289







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Alt	Foshan Shunde Shuda Electric Appliance Co., Ltd	KW-16	16A 125/250VA 50/6 0Hz T125 3E4	GB/T15092.1- 2010 EN 60158-1	CQC1600215 2789
Alt	Foshan Shunde Shuda Electric Appliance Co., Ltd	KW-5	10.1(4)A 125/25 0VAC 10(4)A 1 25/250VAC 10A 125/250VA C 50/60Hz T125 3E4	GB/T15092.1- 2010 EN 60158-1	CQC1600215 2788
Anborek Alt Anborek	Yueqing City Siying Electronic Co.,Ltd.	MS1	16(8)A 250VAC, 16(4)A 250VAC T105 5E4; 10A 250VAC T105 5E4	GB/T15092.1- 2010 EN 60158-1	CQC1700216 7721
Motor Anbore	Guangdong Shunde Honglong Electric Industrial Co., Ltd.	SP6013-502	220V 3.5W Class H	GB/T12350-2009 IEC 60335-1 IEC 60335-2-9	Self- declaration code: 20209804010 01167 Tested With Appliance
Anborek Altorek Anborek	Zhongshan Yongba Electric Technology Co., Ltd.	YB63-14	3.5W 220V~ 50Hz H	GB/T12350-2009 IEC 60335-1 IEC 60335-2-9	Self- declaration code: 20230004010 00244
Anborek Anborek	Foshan Shunde District Yiping Motor Co., Ltd	YPG-30	3W 220V~ 50Hz H	GB/T12350-2009 IEC 60335-1 IEC 60335-2-9	Self- declaration code: 20220004010 00036
Thermal Links	ZHONG SHAN SHENG PING THERMAL PROTECTORS CO.,LTD	RY172	Tf:172℃ 10A 250V~	GB9816.1 IEC 60691	Self- declaration code: 2020980205 000151
Electrical Heater Tube	Foshan Shunde YouShun Electric Co., Ltd.	YS	220V~1350W	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC1200207 1203 Tested With Appliance
Alt Anborek	ZhongShan jin Zhong Electrical Technology Limited	RGQ	220V~ 1350W	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC1700216 3494 Tested With Appliance
Alt	Shunde Foshan yaojia Electric Appliances Co., Ltd	ek YJ Anbotek	220V~1350W	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC1200207 9916 Tested With Appliance







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ootek Alt Mibotek	Shunde Foshan yaojia Electric Appliances Co., Ltd	RGQ	220V-240VAC 1350W	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC1400210 6728 Tested With Appliance
Anborek Alt	Foshan City Shunde District DONGNIKE Electric Appliance Co.,LTD	RGQ	220V-240VAC 1350W	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC1700218 4522 Tested With Appliance
otek Alt Anborek	Foshan Shunde Jinhan Electric Technology Co. Ltd.	Anbotek An	220V-240VAC 1350W	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC1600214 3155 Tested With Appliance
Anborek Anborek	Yuhua Electric Appliances Limited Company Zhaoqin	RGQ	220V~1350W	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC1600214 0766 Tested With Appliance
nbotek Alt Mpote	Zhongshan JINZHEN Electrical Co., Ltd.	JZB	220V~ 1350W	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC1600215 3094 Tested With Appliance
Alt	QINGYUAN XINGMAO ELECTRICAL CO.,LTD	XM	220-240VAC 1350W	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC1100206 1765 Tested With Appliance
Anborek Alt Anbore	Zhongshan Wensheng Electric Co., Ltd.	WS	220VAC-240VAC 1350W	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC2000227 4858 Tested With Appliance
Anbotek Alt hek	Zhongshan Angtale Electric Appliance Co., Ltd.	RGQ	220-240VAC 50Hz 1350W	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC1500213 7337 Tested With Appliance
botek Anbote Anbotek Alt Anbo	Foshan Shunde JinHuiShun Electric Heating Material Co.,Ltd	KLD	220VAC-240VAC 50Hz 、1350W	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC1000205 0972 Tested With Appliance
Anbotek Anbotek Anbotek	Zhongshan Qire Electrical Appliance Co.,Ltd.	ortek QK Anborek	1350W 220V~	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC1800219 9927 Tested With Appliance
Anbotek Alt Anbot	Zhongshan Kanglida Electric Co., Ltd.	KLD	1350W 220V~	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC1900223 5807 Tested With Appliance







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botek Alt Anborek	zhongshan ketian five metals products CO.,Ltd	Anbotek Anbo	1350W 220- 240V~	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC1700216 1761 Tested With Appliance
Alt	Foshan City GaoMing GaoSheng Aluminum Co.,Ltd.	GS	1350W 220- 240V~	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC2100229 0064 Tested With Appliance
Alt Anborek	Zhongshan Jinmeitong Electrical Appliance Co., Ltd.	Anborek JMT	1350W 220V~	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC2000227 1366
Anbotek Anbotek Anbotek	ZHONGSHAN CITY JINFA ELECTRICAL APPLIANCE FACTORY	Anbotek JF Anbotek Anbotek	1350W 220V \sim	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC1600214 1389
Lamp holder	Zhongshan Yingda Electric Co., Ltd.	YD901A	250V 2A T250	IEC 60335-1 IEC 60335-2-9	Tested With Appliance
internal wiring	Zhongshan Bozhan Electrical Appliance Accessories Co., Ltd.	60245 IEC 03(YG) 300/500V	0.5mm2、 0.75mm2、 1.0mm2、 1.5mm2 180℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	2013010104 637942
Anbotek Anbotek Anbotek	ZHONGSHAN SAN JIN ELECTRIC APPLIANCE CO., LTD.	60245 IEC 03(YG) 300/500V	0.5mm2 \ 0.75mm2 \ 1.0mm2 \ 1.5mm2 180℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20130101046 33878
botek Alt Anbotek	Foshan Shunde Zhenglang Metal Ware Electric Apparatus Co., Ltd.	60245 IEC 03(YG) 300/500V	0.5mm2、 0.75mm2、 1.0mm2、 1.5mm2 180℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20090101043 48928
Anbotek Alt Anbotek Anbotek	Jiangyin Tianqi Silicone Rubber Products Co., Ltd.	60245 IEC 03(YG) 300/500V	0.5mm2、 0.75mm2、 1.0mm2、 1.5mm2 180℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20030101040 99695







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potek Anbotek Anbotek Anbotek	Zhongshan Hualan Electronic Co.,Ltd.	60245 IEC 03(YG) 300/500V	0.5mm2 \ 0.75mm2 \ 1.0mm2 \ 1.5mm2 180℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20070101042 36471
Anborek Altorek Anborek	SHENZHEN MYSUN INSULATION MATERIALS CO., LTD	60245 IEC 03(YG) 300/500V	0.5mm2、 0.75mm2、 1.0mm2、 1.5mm2 180℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20080101043 08753
Anborek Anborek Anborek Anborek	Jiangyinshi Tiancheng Electronic & Electric Wire Co., Ltd.	60245 IEC 03(YG) 300/500V	0.5mm2 \ 0.75mm2 \ 1.0mm2 \ 1.5mm2 180°C	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20100101044 05656
anbotek Alt Anbotek	Shenzhen Qifurui Electronics Co., Ltd.	60245 IEC 03(YG) 300/500V	0.5mm2 0.75mm2 1.0mm2 1.5mm2 180℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20020101040 00754
Anbotek Alt Anbotek Anbotek	Zhongshan PingWang electric appliance co., LTD	60245 IEC 03(YG) 300/500V	0.5mm2 \ 0.75mm2 \ 1.0mm2 \ 1.5mm2 180°C	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20160101048 43246
Anbotek Anb Alt Anbotek Anbotek	GUANGDONG YONGRUI CABLE TECHNOLOGY CO., LTD	60245 IEC 03(YG) 300/500V	0.5mm2 \ 0.75mm2 \ 1.0mm2 \ 1.5mm2 180°C	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20160101048 94820
Anborek Anborek	Dongguan Nistar Transmitting Technology Co.,Inc.	60245 IEC 03(YG) 300/500V	0.5mm2 \ 0.75mm2 \ 1.0mm2 \ 1.5mm2 180℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20100101044 10561
Alt Anborek	Jiangyin Tianqi Silicone Rubber Products Co., Ltd.	60245 IEC 03(YG) 300/500V	0.5mm2 \ 0.75mm2 \ 1.0mm2 \ 1.5mm2 180℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20030101040 99695







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Alt Michael	Jiangyin Zhijun	60245 IEC 03(YG) 300/500V	0.5mm2 \ 0.75mm2 \ 1.0mm2 \ 1.5mm2 180℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20050101041 44267
Alt	ZHONGSHAN CITY MINGLIANG WIRE CO LTD	60245 IEC 03(YG) 300/500V	0.5mm2、 0.75mm2、 1.0mm2、 1.5mm2 180℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20170101049 40612
Alt	Zhongshan Kaiyi Cable Technology Co. Ltd	60245 IEC 03(YG) 300/500V	0.5mm2 0.75mm2 1.0mm2 1.5mm2 180℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20190101042 67689
Alt	ZHONGSHAN SEN TE WIRE & CABLE CO LTD	60245 IEC 03(YG) 300/500V	0.5mm2 \ 0.75mm2 \ 1.0mm2 \ 1.5mm2 180 ℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20180101040 91786
Alt	Zhongshan City Dingxiang Electrical Appliance Co., Ltd.	60245 IEC 03(YG) 300/500V	0.5mm2 \ 0.75mm2 \ 1.0mm2 \ 1.5mm2 180℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20140101047 05971
Alt	Dongfeng town, zhongshan city of bo Yao electrical appliance factory	60245 IEC 03(YG) 300/500V	0.5mm2 \ 0.75mm2 \ 1.0mm2 \ 1.5mm2 180°C	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20200102042 89936
Alt	Jiangyin Shengde Special Wire & Cable Co.,Ltd	60245 IEC 03(YG) 300/500V	0.5mm2 \ 0.75mm2 \ 1.0mm2 \ 1.5mm2 180℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20030101040 99654
Anbotek Althore Anbotek Anb	Zhongshan Kaiyi Cable Technology Co. Ltd	60245 IEC 03(YG) 300/500V	0.5mm2 \ 0.75mm2 \ 1.0mm2 \ 1.5mm2 180℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20190101042 67689







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Arr.	wer vup	0. K.	ak hore	Arra	right and
Alt	Zhongshan Boyu Wire Co.Ltd.	60245 IEC 03(YG) 300/500V	0.5mm2、 0.75mm2 、 1.0mm2 、 1.5mm2 180℃	GB/T5013.3- 2008 IEC60245-3 IEC 60335-1 IEC 60335-2-9	20180101040 87918 Tested With Appliance
Alt	GUANGDONG YONG RUI CABLE TECHNOLOGY CO LTD	3122 1332	300V 16AWG, 18AWG ,20AWG, 22AWG	IEC 60335-1 IEC 60335-2-9	UL E204893 Tested With Appliance
Alt	GUANGZHOU JINYING SPECIAL WIRE FACTORY	3122 1332	300V 16AWG, 18AWG ,20AWG, 22AWG	IEC 60335-1 IEC 60335-2-9	UL E192725 Tested With Appliance
Alt	ZHONGSHAN CITY MINGLIANG WIRE CO LTD	3122 1332	300V 16AWG, 18AWG ,20AWG, 22AWG	IEC 60335-1 IEC 60335-2-9	UL E476592 Tested With Appliance
Alt	ZHONGSHAN Pinwang Electric CO LTD	3122 1332	300V 16AWG, 18AWG ,20AWG, 22AWG	IEC 60335-1 IEC 60335-2-9	UL E516112 Tested With Appliance
Alt Alt	Zhongshan City Boyu Wire Co Ltd	3122 1332	300V 16AWG, 18AWG ,20AWG, 22AWG	IEC 60335-1 IEC 60335-2-9	UL E314089 Tested With Appliance
ek Alt bote botek	FOSHAN CITY SHUNDE ZHENGLANG METALWARE ELECTRIC APPARATUS CO LTD	3122 1332	300V 16AWG, 18AWG ,20AWG, 22AWG	IEC 60335-1 IEC 60335-2-9	UL E313243 Tested With Appliance
Alt	Zhongshan Hongyao Wire Co., Ltd.	3122 1332	300V 16AWG, 18AWG ,20AWG, 22AWG	IEC 60335-1 IEC 60335-2-9	UL E517661 Tested With Appliance
potek Alt And	Zhongshan City Dingxiang Electrical Co Ltd	3122 1332	300V 16AWG, 18AWG ,20AWG, 22AWG	IEC 60335-1 IEC 60335-2-9	UL E354487 Tested With Appliance







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P.L.	wer wp.	, P.	ak bore	Die.	46/2
potek Alt Anborek	HONG SHUN WIRE & CABLE FLUOROPLASTI CS FACTORY	3122 1332	300V 200℃ 16AWG, 18AWG ,20AWG, 22AWG	IEC 60335-1 IEC 60335-2-9	UL E238396 Tested with appliance
Anborek Ar Altek	DONGGUAN RI ZHAN HIGH TEMPERATURE WIRE CO LTD	3122 1332	300V 200℃ 16AWG, 18AWG ,20AWG, 22AWG	IEC 60335-1 IEC 60335-2-9	UL E353571 Tested with appliance
Anbotek Anbote Anbotek Anbot Anbotek Anbotek	NIZING ELECTRIC CO., LTD	1332 3122	200°C 300V 26AWG 22AWG 20AWG 18AWG 16AWG	IEC 60335-1 IEC 60335-2-9	UL E215834 Tested with appliance
otek Alt Anborek	Zhongshan City Dingxiang Electrical Appliance Co., Ltd.	E-200/TX/FEP 300V	0.5mm²、0.75 mm²、1.0 mm²	CQC1111.31- 2020;GB/T38296 -2019	CQC1601115 2000 Tested With Appliance
Anbotek Alt Anbotek Anbotek Anbotek Anbotek Anbotek	FOSHAN CITY ZHENG GUAN FLUORPLASTICS WIRE FACTORY	1332 3122	200°C 300V 26AWG 22AWG 20AWG 18AWG 16AWG	IEC 60335-1 IEC 60335-2-9	UL E307535 Tested with appliance
Anbotek Anb	NIZING ELECTRIC CO., LTD	60245 IEC 03 (YG) 300V/500V	0.5mm2 0.75mm2 1.0mm2	GB/T5013.3- 2008/IEC60245- 3:1994	2003010104 075377
X2 Capacitor	Foshan Piner electronic co., LTD	MKP: X2	0.1µF275V	GB/T6346.14 IEC 60384-14	CQC160011 46732
Alt	Tenta Electric Industrial Co. Ltd.	MEX	AC 275V, 0,1uF, T100	IEC/EN 60384- 14:2013+A1	VDE 119119
AnboAlt A	Carli Electronics Co., Ltd.	MPX	AC275V, 0,1uF, T100	IEC/EN 60384- 14:2013+A1	VDE 40008520
Alt	Guangdong FengmingElectron ic Tech. Co., Ltd.	MKP-X2	AC 275V, 0,1uF, T105	IEC/EN 60384- 14:2013+A1	VDE 40025702
ootek Alt Moore	Dain Electronic Co., Ltd.	MPX/MEX	AC 275V, 0,1uF, T110	IEC/EN 60384- 14:2013+A1	VDE 40018798







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And	stek nabo	b., b.,	ok hoter	VUC.	stek sabo
ootek Alt Anborek	FOSHAN SHUNDE CG ELECTRONIC INDUSTRY CO.,LTD	MKP-X2	0.1uF 275V	GB/T6346.14 IEC 60384-14	CQC0300100 4434
Anborek AnAltek	Guangdong Fengming Electronic Tech.Co.,Ltd.	MKP-X2	0.1uF 275V/305V/310V AC	GB/T6346.14 IEC 60384-14	CQC0400101 0677
otek Alt moorek	Foshan Shunde Da Hua Electric Co.,Ltd.	HD MKP	275VAC X2 0.1μF	GB/T6346.14 IEC 60384-14	CQC0500101 3146
Anbor Alt Anh	Shenzhen Tenta Electrical Appliance Co.,Ltd.	MEX	0.1µF 275VA	GB/T6346.14 IEC 60384-14	CQC0300100 3039
Alt	Dain Electronics Co., Ltd	MPX MPX	0.1µF 275VAC	GB/T6346.14 IEC 60384-14	CQC0300100 7500
Alt	SINHUA ELECTRONICS(H UZHOU)CO.,LTD.	MPX	0.1uF X2 275VAC	GB/T6346.14 IEC 60384-14	CQC0800102 6858
Alt	Shenzhen Sincerity Technology Co., Ltd	MPX/MKP	0.1uF 275VAC	GB/T6346.14 IEC 60384-14	CQC0900103 5778
hores Alt Ambores	Guangdong JURCC electronics co., LTD.	MPX/MKP	X2 310VAC 0.1μF	GB/T6346.14 IEC 60384-14	CQC1200106 9051
Varistor	Guangdong Hongzhi Electronic Technology Co., Ltd.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	10D471K	GB/T10193- 1997;GB/T10194 -1997;GB4943.1- 2011;GB8898- 2011 IEC61051-1 IEC61051-2	CQC0400101 0846
Alt	Hongzhi Enterprises Ltd.	HEL Anbotek	10D471K	IEC61051-1 IEC61051-2 EN61051-1	VDE4003751 2
otek Alt modek	Huizhou Songlongxindian Electronics Technology Co., Ltd	Anborek	10D471K	IEC61051-1 IEC61051-2 EN61051-1	VDE4004003 7







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ant Ant	0,	arek anbi	oke. And	ak hotek	Aupo. M.	stek anbot
Close		Heavy Power Co., Ltd.	CE2 、CE5	PA66	GB/T 5169 IEC 60335-1 IEC 60335-2-9	CQC12134080 869 Tested With Appliance
Anborel Anborel	ltek Arek	SHENZHEN HONGYU ELECTRICAL CO.,LTD.	CE2	PA6	GB/T 5169 IEC 60335-1 IEC 60335-2-9	CQC1113405 9224 Tested With Appliance
nbotek PC	CB upotek	Guangdong Cengde Elextronicechnolo Tgy CO.,LTD	Anbotek An	ZD-95(G)F、KB- 3151C	IEC 60335-1 IEC 60335-2-9	CQC1513413 6681 Tested With Appliance
Anborek Anta	tek It ibotek	KINGBOARD(FO GA NG)PAPER LAMINATES CO.,LTD	ok Anbotek Dotek Anbotek	KB3151C	IEC 60335-1 IEC 60335-2-9	CQC0900103 9855 Tested with applianc e
Inbotek Anbotek	It Anbor	Kingboard Laminates Holdings Limited	Anbotek Anbotek	FR-1-KB- 3152, FR-1- KB- 3151C	EN 60695-11-10 IEC 60335-1 IEC 60335-2-9	VDE 5722 Tested with applianc e
A	potek lit Anbotek	Guangdong Cengde Elextronic Technology CO.,LTD	otek Anbote Inbotek Anb	ZD-90F	EN 60695-11-10 IEC 60335-1 IEC 60335-2-9	CQC1513413 6681 Tested with applianc e
Anbotek Anbotek	It And	Kingboard Laminates Holdings Limited	Anbotek Anbotek	KB-5150、KB- 5152 94V-0	IEC 60335-1 IEC 60335-2-9	UL E123995 Tested with applianc e
plastic	c shell	SUPER DRAGON ENGINEERING PLASTICS CO., LTD.	Upotek Vupo	FRPP420	IEC 60335-1 IEC 60335-2-9	CQC1513412 2195 Tested With Appliance
Anbotes Anbotes	And It A otek	LG Chemical (Guangzhou) Engineering Plastics Co., Ltd	lek Anbotek	PP/LUPOL GP1000F	IEC 60335-1 IEC 60335-2-9	CQC1213406 9875 Tested With Appliance
Liner	olastic	SUPER DRAGON ENGINEERING PLASTICS CO., LTD.	Anbotek Anbo	potek Anbotek PBT Anbotek Anbotek Anbote	IEC 60335-1 IEC 60335-2-9	CQC141341 11259
Anbotel Anbo	lt. Ster	Guangdong Aldex Advanced Plastic CO.,LTD.	ek Anbotek	PBT-RG151	IEC 60335-1 IEC 60335-2-9	CQC1513412 9107







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And	atek anbi	Die Bir.	ok boten	And	stek nobo
PVC sheat	SUPER DRAGON ENGINEERING PLASTICS CO., LTD.	Anbotek Anbo	HY-8750	IEC 60335-1 IEC 60335-2-9	CQC151341 23599
Alt	Yueqing Yifa Sheath Factory	ek Anbotek	YF110	IEC 60335-1 IEC 60335-2-9	CQC1313409 6754
Thermal fuse tube	Zhejiang ZUCH Technology Co., Ltd	botek - Anbot	HY-8750	IEC 60335-1 IEC 60335-2-9	CQC151341 23599
Alt Moon	ShenZhen Wahchangwei Industrial Co.,Ltd	Anborek Anborek	SGS-70	IEC 60335-1 IEC 60335-2-9	CQC1913423 5495
Heat shrinkable tube	Shenzhen Wall Nuclear Material Co., Ltd.	VW-1	RSFR 125°C 600V	IEC 60335-1 IEC 60335-2-9	CQC2013427 8543 Tested With Appliance
Alt	Hefei Fengxiang Heat Shrinkable Material Technology Co., Ltd.	Anbotek Anbotek	EVA 5110J	IEC 60335-1 IEC 60335-2-9	CQC2013423 8251 Tested With Appliance
Anborek Arborek	DONGGUAN SALIPT CO.,LTD	SALIPT S- 901-600	Ф0.6-50mm	IEC 60335-1 IEC 60335-2-9	CQC2013426 9296 Tested With Appliance
Silicone tube	Zhongshan Fangdian electrical accessories Co., Ltd	187 Straight type, 250 Straight type, 187 Flag type, 250 Flag type	NC-Z150B white / red Blue	IEC 60335-1 IEC 60335-2-9	CQC2013427 2257 Tested withappliance
Plug Anborek	Zhongshan Guzhen Hongli Cable & Appliance Factory Co., Ltd.	HL-1B、HL- 01	10A 250V~	GB/T1002; GB/T2099.1; IEC 60884-1	20050102011 43655
Alt	Zhongshan Guzheng Hongli Cable and Appliance Factory	HL-18 of ex	16A 250V~	IEC 60884-1	CN50402
Anborek Alt Anborek	Zhongshan Guzheng Hongli Cable & Appliance Factory	HL-9	16A 250V~	DIN VDE 0620-2- 1	VDE4001379 1







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Alt Alt	Zhongshan Guzheng Hongli Cable & Appliance Factory	HL-17	13A 250V~	BS 1363-1	ASTA 882
Power cord	Zhongshan Guzhen Hongli Cable & Appliance Factory Co., Ltd.	60227 IEC 53(RVV) 300/500V	3×0.75mm	GB/T 5013.4 IEC 60227-5	20050101051 43656
Alt	ZHONGSHAN GUZHEN HONGLI CABLE & APPLIANCE FACTORY	60227 IEC 53(RVV) 300/500V	3×0.75mm	IEC 60227-5 IEC 60227-1 IEC 60227-2	CN51099
Anboret An	Zhongshan Guzhen Hongli Cable & Appliance Factory	H05VV-F	3×0.75mm²	DIN EN 50525-2- 11	VDE 139259
Electrical Heater Tube	Zhaoqing Meisheng Electric heating Appliances Co., Ltd.	MS	220V-240VAC 50/60Hz 1350W	JB/T4088-2012 IEC 60335-1 IEC 60335-2-9	CQC2000226 9837

Supplementary information:

1) Provided evidence ensures the agreed level of compliance.

28.1	TABLE: Threaded part t	orque test	Anbotek Anbo	tek abovek P
Threaded pa	art identification	Diameter of thread (mm)	Column number (I, II, or III)	Applied torque (Nm)
Screw for fix	king earthing connection	3.88	oter All stek	Anbotek 1.2 Anbot
Supplement	ary information:	rk wotek	Anbotek Anb	anbotek Anbor

29.1	TABLE: Clearances	Anbore	Andatek	nbotek	Anbo.	P POPER P
abotek p	Overvoltage catego	ry		.: II nbotek	Aupor	k bu -
			Type of i	nsulation:		
Rated impulse voltage (V		Basic (mm)	Supplementar y (mm)	Reinforced (mm)	Functional (mm)	Verdict / Remark
330	0,2* / 0,5 / 0,8**	hotek	Aupore.	Ann	nbotek	Aupo. W.
500	0,2* / 0,5 / 0,8**	Pur Poli	K Anboten	Anbo	abotek	Anboy Ar
800	0,2* / 0,5 / 0,8**	Dur	otek Anbotek	Anbo.	s abotel	Anbore
1 500	0,5 / 0,8** / 1,0***	P.U.	otek Anbot	ak Vupo.	ok 200	lek Aupole
2 500	1,5 / 2,0***	Х	X	orek Anb	X	notek P Anboten
4 000	3,0 / 3,5***	hotek	Anbo	X N	Pose V	work P Anbor









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6 000	5,5 / 6,0***	aborek	Anbore	Am	Anbotek	Aupo tok
8 000	8,0 / 8,5***	100th	ek Aupole	Ann	anbotek	Aupo
10 000	11,0 / 11,5***	Pre-	otek Anboten	Ann	nbotel	Aupo,

Supplementary information:

- *) For tracks on printed circuit boards if pollution degree 1 and 2
 **) For pollution degree 3
 ***) If the construction is affected by wear, distortion, movement of the parts or during assembly

Working voltage (V)	Creep	age dis	Cr	eepage die (mm)	stance	entary a	nd reinfo	rced i	nsulati	on	_{stel} kP
	1	2				3			Type of insulation		
		M	aterial g	roup	Ma	Material group					
		I	П	IIIa/IIIb	I	П	IIIa/IIIb*	B**	S**	R**	Verdic
≤50	0,18	0,6	0,85	1,2	1,5	1,7	1,9	2000			Ν
≤50	0,18	0,6	0,85	1,2	1,5	1,7	1,9		botek	_	Ipo, N
≤50	0,36	1,2	1,7	2,4	3,0	3,4	3,8			4	AUPUL
125	0,28	0,75	1,05	1,5	1,9	2,1	2,4	You		_	No
125	0,28	0,75	1,05	1,5	1,9	2,1	2,4		10		N
125	0,56	1,5	2,1	3,0	3,8	4,2	4,8		_	odo	e ^k N
250	0,56	1,25	1,8	2,5	3,2	3,6	4,0	X			oote/P
250	0,56	1,25	1,8	2,5	3,2	3,6	4,0		Х	_	Rek Rek
250	1,12	2,5	3,6	5,0	6,4	7,2	8,0		_	Х	Pol
400	1,0	2,0	2,8	4,0	5,0	5,6	6,3	stek.	_	_	N
400	1,0	2,0	2,8	4,0	5,0	5,6	6,3		Þ	_	N N
400	2,0	4,0	5,6	8,0	10,0	11,2	12,6			Aupo.	N
500	1,3	2,5	3,6	5,0	6,3	ূ 7,1 🏁	8,0	100	_		N
500	1,3	2,5	3,6	5,0	6,3	7,1	8,0	_	upotek	_	N ^{odn} A
500	2,6	5,0	7,2	10,0	12,6	14,2	16,0		_	lek.	N
>630 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0	atek	_	_	Na
>630 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0	_	-	_	N
>630 and ≤800	3,6	6,4	9,0	12,6	16,0	18,0	20,0	_		das	otek N
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5	VUE		_	nbo'N'
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5		'Up	_	Nore
>800 and ≤1000	4,8	8,0	11,2	16,0	20,0	22,0	25,0	_	_		N

Shenzhen Anbotek Compliance Laboratory Limited





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>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	botek		—	N
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	_	6	_	*ekN
>1000 and ≤1250	6,4	10,0	14,2	20,0	25,0	28,0	32,0	_		An	N
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	2		_	rupe N *ek
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	_	Anbo	_	ANN
>1250 and ≤1600	8,4	12,6	18,0	25,0	32,0	36,0	40,0			poyek	Nupo
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0	otel	_		N An
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0	_	rek.	_	N N
>1600 and ≤2000	11,2	16,0	22,0	32,0	40,0	44,0	50,0	_	_		abo'N
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0	P		_	Nick
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0	_	Vur	_	Nipote
>2000 and ≤2500	15,0	20,0	28,0	40,0	50,0	56,0	64,0	_		rel	N
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0	Aupote.	_	_	₩ N
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0	_	(8)	_	N
>2500 and ≤3200	20,0	25,0	36,0	50,0	64,0	72,0	80,0		_	P	Nek
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0	¥.	_	_	And N
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0		Anb	_	N
>3200 and ≤4000	25,0	32,0	44,0	64,0	80,0	90,0	100,0	_	_	hoter	N Anb
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0	72 O	_		N P
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0	_	otek	_	oo ^{te} N
>4000 and ≤5000	32,0	40,0	56,0	80,0	100,0	112,0	126,0		_		AnbNek
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0	7		_	Noses
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0	_	Dur	_	Nanbe
>5000 and ≤6300	40,0	50,0	72,0	100,0	126,0	142,0	160,0			,-o [†]	× N
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0	Aupon	_	_	NyeyN
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0		ote		N×
>6300 and ≤8000	50,0	64,0	90,0	126,0	160,0	180,0	200,0	_	_	0	N vek
>8000 and ≤10000	32,0	40,0	56,0	80,0	100,0	110,0	125,0	ek.	_	_	PN .
>8000 and ≤10000	32,0	40,0	56,0	80,0	100,0	110,0	125,0		P2		Nambo
>8000 and ≤10000	64,0	80,0	112,0	160,0	200,0	220,0	250,0	_	_	Anbor	N PAT
>10000 and ≤12500	40,0	50,0	71,0	100,0	125,0	140,0	160,0	by.	_	_	N
>10000 and ≤12500	40,0	50,0	71,0	100,0	125,0	140,0	160,0	_	botek	_	'upole
>10000 and ≤12500	80,0	100,0	142,0	200,0	250,0	280,0	320,0	_	_	ek	An Notes
1.018, 000			101	700,	D3.		1-07		D/z.	<u> </u>	100





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Supplementary information:

^{*)} Material group IIIb is allowed if the working voltage does not exceed 50 V **) B = Basic insulation, S = Supplementary insulation, R = Reinforced insulation

Working voltage (V):				eepage di (mm) ollution d				
	1 2					3		
	Material gro		roup	oup Material group				
		I	II	IIIa/IIIb	ı	II	IIIa/IIIb*	Verdict / Remark
≤10	0,08	0,4	0,4	0,4	1,0	1,0	1,0	k abotek Anbore
50	0,16	0,56	0,8	1,1	1,4	1,6	1,8	rek abotek Anbe
125	0,25	0,71	1,0	1,4	1,8	2,0	2,2	
250	0,42	1,0	1,4	2,0	2,5	2,8	3,2	"upour by P polek
400	0,75	1,6	2,2	3,2	4,0	4,5	5,0	Anbore K Ans Lotek
500 Model	1,0	2,0	2,8	4,0	5,0	5,6	6,3	Anbore, And otek
>630 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0	Anboten Anb
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5	Hek Anbotek Anbo
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	notek Anbotek Ar
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	no otek anbotek
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0	Anbotek Anbotek
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0	Ant otek Anbotek
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0	Anbor
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0	ier, Mura
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0	potek Pupa, VIII
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0	Aupotek Aupo.
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0	Anbotek Anbou
>8000 and ≤10000	32,0	40,0	56,0	80,0	100,0	110,0	125,0	Anbotek Anbor
>10000 and ≤12500	40,0	50,0	71,0	100,0	125,0	140,0	160,0	ek abotek Anbor

Supplementary information:

^{*)} Material group IIIb is allowed if the working voltage does not exceed 50 V

30.1	TABLE: Ball Pressure Test of Thermoplastics									
Allowed	l impression diamet	ter (mm):	Anbor	hi.	k Anbore	_				
Object/	Part No./ Material	Manufacturer/ trademark	Test temperat	ture (°C)	Impression diar	neter (mm)				









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Fan motor bobbin	, nborok Ant	133	1.4
Plastic enclosure / bottom cover	rek Anbotek	nbotek 133	Anborek 1.8 Anborek
Internal enclosure / Air outlet grille	hotek - Anbotek	199	ek Anbore 1.7 Anborek
Top cover (plastic part)	Anbore tek-	115	otek Anbole Anb
Control panel	Anbo tek onb	125	hotek 1.3 And
Supplementary information:	Anbootek	nbotek Anbote	Anbotek Anbotek Ar





Object/	Manufacturer Glow wire test (GWT); (°C)							
Part No./ Material		650		75	750		Verdict	
Material	trademark	550	te	ti	te	ti	850	
Plastic enclosure/ Bottom cover	Anbotek Anbotek	Aupore Valek	ek _ Aut	Anbote ^k	Anbotek Anbotek	Anbotek Anbotek	Anbote Anb	otek P Ar
ntemal enclosureAir outlet grille	ootek - Anbot	X An	botek Anbotek	Anbote Anbote	rek Aupo	lek An	Pupotek	Anbotek Hotek
Biased-off switch holder	Anbores An	Anbotek	Anbote to	Hek - Ant	nbote ⁰	Aup of the k	X	P _{Anb} o
an motor	Aritorek Aritorek	Anbore	³ K bus	hotek	Anbotek	Anborr O onborr	X Auto	hek P An
PCB	sk -bupo,	k - ku	otek_	Aupoter	0	ek 0 m	otek X A	upo. P
Relay	otek - Anbor	r - bu,	Volek.	Aribote	0 Anbo	0	X	Anbore P
'aristor	-botek _ Ant	O. Co.	Aub Utel	- no	tek O An	0	X	An Pres
2 capacitor	holek	'upote,	0	o⊬ 0	hotek-	Mupo.	- notek	Elpo,
Control canel	Aupotek Aupotek	X	k - VUD.	nbotek_	Anbotek Anbotek	Aupore upore	r - Pupo	iek Panl
Crimped connector	k Pupote	k And	otek_	Anbotek otek	Anbor O	k O Anb	X	bote
ube cover	Our built	stek I	upoter.	PUPP	ek 0 no	otek O P	X	Rek
Connector on PCB	inboth An	nbotek	V.Q	0	potek-	Anbotek -tek	Anborek	Phote
op cover(plastic part)	Anbotek Anbotek	X Anborel	AL	ootek obotek	Anbotek Anbotek	Anbotel Anbotel	- Anbot	ootek P Anb
Object/ Part No./	Manufacturer /	Glow-wire flammability index (GWFI), °C		GW ignition temp. (GWIT), °C		Verdict		
Material	trademark	550	650	750	850	675	775	
notek	Anboten A	10°	, abot	EK AT	por r	notek.	Anbotek	Anbo
he test spec	imen passed the	glow wire	test (GV	VT) with n	o ignition [(t	e – ti) ≤ 2s]	(Yes/No):	Yes
If no, then surrounding parts passed the needle-flame test of annex E (Yes/No)							o ^{tel} No	
The test specimen passed the test by virtue of most of the flaming material being withdrawn with the glow-wire (Yes/No)?							No	
nition of the	specified layer	olaced und	derneath	the test sp	ecimen (Ye	s/No)	botek	No

Supplementary information:

- $550~^{\circ}$ C GWT not relevant (or applicable) to parts of material classified at least HB40 or if relevant HBF The GWIT pre-selection option, the $850~^{\circ}$ C GWFI pre-selection option, and the $850~^{\circ}$ C GWT are not
- relevant (or applicable) for attended appliances









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30.2/30.2.4 TABLE	: Needle- flame test	(NFT)	Aupor	orek Anbo	N
Object/ Part No./ Material	Manufacturer/ trademark	Duration of application of test flame (ta); (s)	Ignition of specified layer Yes/No	Duration of burning (tb) (s)	Verdict
And tek and	oolek Aupor	hotek Anbote	Ann	anbotek	Aupo,

Supplementary information:

- NFT not relevant (or applicable) for Parts of material classified as V-0 or V-1
- NFT not relevant (or applicable) for Base material of PCBs classified as V-0 or if relevant VTM-0





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Attachment 1: EU difference

Clause Requirement + Test Result - Remark Verdict

ATTACHMENT TO TEST REPORT

IEC 60335-1

EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

Household and similar electrical appliances - Safety -

Part 1: GENERAL REQUIREMENTS

EN 60335-1:2012 + A11:2014 + A13:2017 + A1:2019 + A14:2019 +

Differences according to A2:2019+A15:2021

EN 62233:2008

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And	CENELEC COMMON MODIFICATIONS (EN)		Aup
6.1	Delete "class 0" and "class 01"	Anbotek Anbo tek nbr	OF N P
7.10 ^{tek}	Single-phase appliances to be connected to the supply mains: 230 V covered	Anbotek Anbotek A	ibotelP
Anborek	Multi-phase appliances to be connected to the supply mains: 400 V covered	Anbotek Anbotek	Anbotek
7.12 mbo	The instructions include the substance of the follow	ing: Anbotek Anbo	- nbo
Anbotek Anbotek Anbotek	- this appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved	Anbotek Anbotek Anbo Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	ak P Ar botek Anbotek
k Aupon	- children shall not play with the appliance	tek Anbore And stek	Pabo
otek Ant	- cleaning and user maintenance shall not be made by children without supervision	botek Anboten Anbot	ek P An
8.1.1	Also test probe 18 of EN 61032 is applied	Anbore And And	oo ^{tek} P
Anbotek	The appliance being in every possible position during the test, except that	Anbotek Anbotek	AnbotP ^k
Anbore	appliances normally used on the floor and having a mass exceeding 40 kg are not tilted	ek Anbotek Anboten	Ann
Hek Anb	The force on the probe in the straight position is increased to 10 N when probe 18 is used	botek Anbotek Anbote	P Anh
Anbotek Anbotek	When using test probe 18 the appliance is fully assembled as in normal use without any parts removed, and	Anbotek Anbotek Ant	hbotek
Anbotel	parts intended to be removed for user maintenance are also not removed	ek Anbotek Anbotek	Anip









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	IEC 60335_1X ATTACHME	ENT tek nbotek Anbo	
Clause	Requirement + Test	Result - Remark	Verdict
8.1.3	Instead of test probe B, test probe 18 and test probe 13, for appliances other than those of class II, test probe 41 of IEC 61032 is applied with a force not exceeding 1 N to live parts of visibly glowing heating elements, all poles of which can be disconnected by a single switching action	Anbotek Anbotek Anbotek Anbotek Anbotek	nbo ^r N Anborak Anbor
8.2 N	Compliance is checked by inspection and by applying the test probes of EN 61032 in accordance with the conditions specified in 8.1.1	Anbotek Anbotek Anb	tek P
Anbotek Anbotek	Test probe B and probe 18 of EN 61032 are applied to built-in appliances and fixed appliances only after installation	ek Anbotek Anbotek	Anb Nek
15.1.2 And of the state of the	Appliances with an automatic cord reel tested with the cord in the most unfavourable position so that the reeling of the wet cord may affect electrical insulation during operation, the cord not being dried before reeling	Anbotek Anbotek Anbotek Anbotek Anbotek	N _{Anb}
20.2	For appliances having dangerous moving parts, due to their working function, e.g. the needle of a sewing machine, tools of kitchen machines or the blade of an electrical knife, full protection is not possible for performing their intended use	orek Anbotek Anbotek Anbotek Anbotek	Anbotel Anbotel
	When using a test probe similar to test probe B of EN 61032, having a circular stop face and applied with a force of 5N, the accessories and detachable covers are removed	Anbotek Anbote	ek P
Anborek	When using test probe 18 it is applied with a force of 2,5N on the appliance fully assembled	Anbotek Anbotek	Anborek
22.12	Other parts intended to be detached during use, maintenance or cleaning (e.g. batteries, battery covers, lids, attachments, steam nozzles) are not considered as parts providing a similar function as handles, knobs, grips, levers	otek Anbotek Anbotek Anbotek Anbotek Anbotek	N Anbo
22.17	The requirement is not applicable to built-in appliances	Anbotek Anbotek	NtootN-
24.1 Anbore	Components comply with the safety requirements specified in the relevant EN standards as far as they reasonably apply	ek Anbotek Anbotek	An Prod
hbotek A	Motors are not required to comply with EN 60034- 1, but tested as part of the appliance according to this standard	Anbotek Anbotek Anbote	P An
Anbotek	Relays are tested as part of the appliance according to this standard	Anbotek Anbotek A	nbotek hotek
Anbotek	Relays may be alternatively tested to EN 60730-1 and the additional requirements in EN 60335-1	lak Aupotek Aupotek	Anbor







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494	IEC 60335_1X ATTACHME	NT tek nboter And	
Clause	Requirement + Test	Result - Remark	Verdict
Anborek Anborek	The requirements of Clause 29 of this standard apply between live parts of components and accessible parts of the appliance	Anbotek Anbotek	nbotek Anbotek
ek Anbot potek Anbot	Components may comply with the requirements for clearances and creepage distances for functional insulation as specified in the relevant component standard	Sotek Anbotek Anbotek	Plant Ant
Anbotek Anbotek	The requirements of 30.2 of this standard apply to parts of non-metallic material in components including parts of non-metallic material supporting current-carrying connections inside components	Anbotek Anbotek An	hbote ^N Anbote ^k
otek Anbote	Components that have not been tested and shown to comply with the EN standard for the relevant component are tested according to the requirements of 30.2 of this standard	otek Anbotek Anbotek	ANDO AND
Anbotek A	Components that have been tested and shown to confidence requirements in the EN standard for the relevant confidence provided that:		botek
Anborek	- the severity specified in the component standard is not less than the severity specified in 30.2, and	Anbotek Anbotek	Anbotel Anbotel
stek Anbo.	- the test report for the component states the values of t _e and t _i acc. to EN 60695-2-11	otek Anbotek Anbotek	Nanbi
abotek A	If the above two conditions are not satisfied, the component is tested as part of the appliance	upo Aupotek Aupot	N P
	Power electronic converter circuits are not required to comply with EN 62477-1, but tested as part of the appliance according to this standard	Anbotek Anbotek Anbotek	Anbotek Anbotek
atek Anbou	Unless components have been tested and found to comply with the relevant EN standard for the number of cycles specified, they are tested in accordance with 24.1.1 to 24.1.9	lek Anbotek Anbotek	Nupo
	For components mentioned in 24.1.1 to 24.1.9, no additional tests specified in the relevant EN standard for the component are necessary other than those specified in 24.1.1 to 24.1.9	Anbotek Anbotek An	ore N Anbotek
ek Anbotek	Components that have not been tested and found to comply with the relevant EN standard, and	ek Anbotek Anbotek	N Anbor
botek An	components that are not marked or not used in accordance with their marking,	Anbotek Anbotek Anbot	otek N Ar
	are tested in accordance with the conditions occurring in the appliance, the number of samples being that required by the relevant standard	Anbotek Anbotek An	nbote ^N







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No.	IEC 60335_1X ATTACHME	NT tek mootek Anbo
Clause	Requirement + Test	Result - Remark Verdict
Anbotek Anbotek Anbotek Anbotek	Lamp-holders and starter-holders that have not been tested and found to comply with the relevant EN standard are tested as a part of the appliance and additionally comply with the gauging and interchangeability requirements of the relevant EN standard under the conditions occurring in the appliance	Anbotek
Anbotek Anbotek	Where the relevant EN standard specifies these gauging and interchangeability requirements at elevated temperatures, the temperatures measured during the tests of Clause 11 are used	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
otek Anbote	There are no additional tests specified for nationally standardized plugs such as those detailed in IEC/TR 60083 or connectors complying with the standard sheets of EN 60320-1 and EN 60309, unless they are specifically mentioned in the text of this standard	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Anbotek Anbotek	Plugs and socket-outlets and other connecting devices of interconnection cords are not interchangeable with plugs and socket-outlets listed in IEC/TR 60083 or IEC 60906-1, or	Anbotek Anbotek Anbotek Anbotek
otek Anbi	with connectors and appliance inlets complying with the standard sheets of EN 60320-1, if	nbotek Anbotek Anbotek Nam
nbotek p	direct supply to these parts from the supply mains gives rise to a hazard	Anborek Anborek Anborek N
	For plugs used in CENELEC countries Annex ZH applies	Anbotek Anbotek Anbotek
24.1.7	When the remote operation of the appliance is via a telecommunication network, the relevant standard for the telecommunication interface circuitry in the appliance is EN 41003	tek Anbotek Anbotek Anbotek Anbotek
Anbotek Anbotek	Compliance with Clause 8 of this standard is not impaired by connecting the appliance to a device covered by EN 41003	Anbotek Anbotek Anbotek
24.Z1	Type S2 and S3 capacitors according to EN 60252-1 are not required to undergo the testing as required by 30.2.2 and 30.2.3.1	ek Anbotek Anbotek An N
25.1 And	Plugs and pins for insertion into socket outlets follow the relevant standards sheets in Annex ZH	borek Anborek Anbore P Ar
25.7	Rubber sheathed cords (60245 IEC 53) are not suitable for appliances intended to be used outdoors, or	Anbotek Anbotek Ank N
Anbotek	when they are liable to be exposed to significant amount of ultraviolet radiation	ek Anbotek Anbotek Anbo







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do Yes	IEC 60335_1X ATTACHME	INI sek popor by	
Clause	Requirement + Test	Result - Remark	Verdict
25.25	Instead of IEC/TR 60083, dimensions of the pins and engagement face of plugs of appliances that are inserted into socket-outlets are in accordance with the dimensions of the relevant plug standard	Anbotek Anbotek	inbotek Anbotek
ek Anbotel	Common plugs and socket-outlets types in CENELEC countries as shown in Annex ZH	sofek Anbotek Anbote	Р
26.11	Conductors connected by soldering are not considered to be positioned or fixed so that reliance is not placed upon the soldering alone to maintain them in position,	Anbotek Anbotek Anbo	hek N
Aupotek	unless they are held in place near the terminals independently of the solder	k Anbotek Anbotek	AntoN
29.3.Z1	Appliance constructed so that if there is a possibility of damaging the insulation during installation, the insulation withstands the scratch and penetration test of 21.2	otek Anbotek Anbotek	lek Vu
32 oten M	Compliance regarding electromagnetic fields is checked according to EN 62233	Anbotek Anbotek Ar	hotek P
Annex I, 19.I.101	The appliance is supplied at rated voltage and operated under normal operation with each of the fault conditions specified	k Vipotek Vipotek	Anbore
otek Anbot	The duration of any of the tests is as specified in 19.7	nbotek Anbotek Anbotek	P ^{ATT}
upotek An	ok hotek Anbote And stek	Anbotek Anbo	porek
ZA botek	ANNEX ZA (NORMATIVE) SPECIAL NATIONAL CONDITIONS (EN)	Anbotek Anbotek	Anborsk
Anbo	nbotek Anbote Anbote Anbote	Anbo stek anbotek	Auporc
	Denmark, Sweden, Norway and Finland	otek Anbo lek abotek	-Aup.
7.12.8	The maximum inlet water pressure is at least 1,0 MPa	hotek Anbor Anbor	× N
UDOLO VIII	notek Anbotek Anbo	Anbore An	10101
Aupore	Norway	Aupote, Aun	Anborek
19.5	The test is also applicable to appliances intended to be permanently connected to fixed wiring	ek abotek Anbotek	ACN TO
ok hote	Anbores And otek Anbores Andrew	ok hotek Anborek	Puo.
We Man	Norway Model American	hor Antorek Anbore	_ P
22.2	The second paragraph of this subclause, dealing with single-phase, permanently connected class I appliances having heating elements, is not applicable due to the supply system	Anbotek Anbotek Anb	otek N Inbotek







Attachment 1: EU difference

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	IEC 60335_1X ATTACHME	NT Andorek Ando	
Clause	Requirement + Test	Result - Remark	Verdict
Aupora	Denmark	Aupote Augusta	nbotel
22.47	The maximum inlet water pressure is at least 1,0 MPa:	ok Anbotek Anbotek	VUIN PO
ek abote	Anbote Ann Anbotek Anbotek	tek abotek Anbore	Dur
ok bi	Ireland and United Kingdom	oo, A. potek Anbote	- P.C
25.8	In the table, the line >10 A and ≤16 A is replaced w	ith:both Andrek Andre	N
Aupore P	> 10 and ≤ 13 1,25 (1,0) ^b	Anbore And otek	Noter
Anbore	> 13 and ≤ 16 1,5 (1,0) ^b	Aupoles, Yup	anb Nek
anborek	Auros Pek Spokek Aupolas Auro	k anbotek Anbo	noot abot
ZB Ambotel	ANNEX ZB (INFORMATIVE) A-DEVIATIONS	potek Anbotek Anbotek	Au
Ote. Yun	stek anbotek Anbot ak hotek	inpose, Aug stek supo	lek.
inpotek A	Ireland Market Market	Anborek Anbo	botek_
25.1 and 25.25	These regulations apply to all plugs for domestic use at a voltage of not less than 200 V and in general allow only plugs complying with I.S. 401:1997, or equivalent, to be fitted to domestic appliances	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anboh Anboh
otek Anbo	ok abotek Anbotes And	upotek Aupo, ek apot	eK
	United Kingdom	Anbotek Anbors Al.	orek-
25.1 and 25.25	These regulations apply to all plugs for domestic use at a voltage of not less than 200 V and in general allow only plugs to BS 1363 to be fitted to domestic appliances.	Anbotek Anbotek Anbotek	Anbote ^l
tek Anbot	It also allows plugs to BS 4573 and EN 50075 to be fitted to shavers and toothbrushes	botek Anbotek Anbotek	N _{up}
notek An	ooten And tek anbotek Anbo. A	hotek Anboten And	rek
ZC potek	ANNEX ZC (NORMATIVE) NORMATIVE REFERENCES TO INTERNATIONAL CORRESPONDING EUROPEAN PUBLICATIONS	L PUBLICATIONS WITH THEIR	unbotek
ek Aupotek	A list of documents referred to in the text of this standard in such a way that some or all of their content constitutes requirements of this document	ek Anbotek Anbotek	Anbc Anbc
rek a	otek Anbott Ar Lotek Anbotes Ar	tek anbotek Anbotek	ok bi
ZD	ANNEX ZD (INFORMATIVE) IEC and CENELEC CODE DESIGNATIONS FOR I	FLEXIBLE CORDS	abotek
abotek	List of IEC and CENELEC code designations for	unbotek Anbor	Brek







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*ek	IEC 6	0335_1X ATTACHN	MENT	Ande
Clause	Requirement + Test	otek Anbotek	Result - Remark	Verdict
ZE ^{bo}	ANNEX ZE (INFORMATIVE) SPECIFIC ADDITIONAL REC INTENDED FOR COMMERC		APPLIANCES AND MACH	IINES
7.1 Anbo	Business name and full addre manufacturer and, where app authorized representative	licable, his	Polek Aupolek V.	Anbotek Noo
Joseph M.	Model or type reference		Anbores Anborek	unbatele N
Aupoter	Serial number, if any	ok bush	Anboter Anb	, bote N
Anborek	Production year	Upola, Kun	anbotek Anbo	Nek John
nbotek	Designation of the appliance.	anbores Anis	otek Anbotek Anbo	N _o t
7.12 Ambo	Instructions provided with the appliance can be used safely	appliance so that th	ne Anbotek An	onbotek N
otek An	The instructions contain at lea	st the following info	rmation:	polek _
Anbotek	the business name and full a manufacturer and, where app authorized representative		k Anbotek Anbotek	ek Anbotek
Anbores Anbor	- model or type reference of the marked on the appliance itself serial number		otek Anbotek Anbotek Anbo	notek Ant
otek Anh	- the designation of the applia explanation in case it is given letters and/or numbers			Anborek N
Anbotek	- the general description of the needed due to the complexity		Anbotek Anbote	k AupoNk
Anbote	- specific precautions required operation, adjusting, user mai repairing or moving			otek AM Anbotek Anb
lootek bu	- when needed drawings, diag and explanations necessary f user maintenance of the appli	or the safe use and	Anbotek Anbotek	Anbotek N A
Anbotek Anbotek	the possible reasonably fore whenever relevant, a warning may have on the safe use of t	against the effects		otek Anbotek
ek Anbr	The words "Original instruction language version(s) verified boor by the authorized representation.	y the manufacturer	Arbotek Anbotek	nbotek N ^b
Anbotek Anbotek	When a translation of the orig been provided by a person int appliance on the market; the sentence "Translation of the c appear in the relevant instruct	roducing the meaning of the original instructions"	Anbotek Anbotek	Anbotek Anbotek







Attachment 1: EU difference

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	IEC 60335_1X ATTACHME	INT tek unbotek Anbo	
Clause	Requirement + Test	Result - Remark	Verdict
Anbotek Anbotek	The instructions for maintenance/service to be done by specialized personnel, mandated by the manufacturer or the authorized representative may be supplied in only one Community language which the specialized personnel understand	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
botek Ar	The instructions indicate the type and frequency of inspections and maintenance required for safe operation including the preventive maintenance measures	Anbotek Anbotek Anbotek Anbote	N Arr
7.12.ZE1	If needed for specific appliances, the following infor	mation to be given:	abotek
	- on use, transportation, assembly, dismantling when out of service, testing or foreseeable breakdowns, if these operations have consequences on stability of the appliance in order to avoid overturning, falling or uncontrolled movements of the appliance or of its component parts	otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbore Anbore Ant
Anbotek Anbotek	- on how to maintain adequate mechanical stability when in use, during transportation, assembly, dismantling, scrapping and any other action involving the appliance	Anbotek Anbotek	Anbore Anbore
otek Ant	- on the protective measures to be taken by the user, including, where appropriate, the personal protective equipment to be provided	nbotek Anbotek Anbote	N _V
Anbotek Anbotek	- on the operating method to be followed in the event of accident or breakdown; if a blockage is likely to occur the operating method to safely unblock the appliance	Anbotek Anbotek An	Aupotek V
k Anbore	- on the specifications on the spare parts to be used, when these affect the health and safety of the operator	potek Anbotek Anbotek	N _{Anb} o
inbotek p	- on airborne noise emissions, determined and decirelevant Part 2, which includes:	lared in accordance with the	otek N
Anbotek Anbotek	- the A-weighted emission sound pressure level at workstations, where this exceeds 70 dB(A);	Anbotek Anbotek	Anborek
iek Aupr	- where this level does not exceed 70 dB(A), this fact is indicated	botek Anbotek Anbotek	N ^{nb}
Anbotek A	- the peak C-weighted instantaneous sound pressure value at workstations, where this exceeds 63 Pa (130 dB in relation to 20 μPa):	Anbotek Anbotek Anto	nbotek
- 1007°	Di Maria Mar	740), b/i,	405







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	IEC 60335_1X ATTACHME	NT tek abotek Anbor	
Clause	Requirement + Test	Result - Remark	Verdict
Anbotek Anbotek	- the A-weighted sound power level emitted by the machinery, where the A-weighted emission sound pressure level at workstations exceeds 80 dB(A)	Anbotek Anbotek Anbotek Anbotek	nbotek Anbotek
7.12.ZE2	The instructions include a warning to disconnect the appliance from its power source during service and when replacing parts	potek Anbotek Anbotek	N AN
Anbotek Anbotek	If the removal of the plug is foreseen, it is clearly indicated that the removal of the plug is such that an operator can check from any of the points to which he has access that the plug remains removed	Anbotek Anbotek Anbotek Anbotek Anbotek	nbote ^N Anbote ^k
otek Anbore	If this is not possible, due to the construction of the appliance or its installation, a disconnection with a locking system in the isolated position is provided	otek Anbotek Anbotek	N _{Ant}
19.11.4.8	The appliance continues to operate, without causing any hazard to the user, from the same point in its operating cycle at which the voltage fluctuation occurred, or	Anbotek Anbotek An	bote N Anbotek
v Ans	a manual operation is required to restart it	k kotek Anbotek	PN
20.1	Appliances and their components and fittings have adequate mechanical stability during transportation, assembly, dismantling and any other action involving the appliance	anbotek Anbotek Anbotek	Nanbi ek A
20.2	Dangerous moving transmission parts safeguarded either by design or guards	Anbotek Anbotek	Anbo,N*
k Anborek	When guards are used, they are fixed guards, interlocking movable guards or protective devices	lek Anbotek Anbotek	ATNO TO
otek Anbo	Moving parts directly involved in the function of the made completely inaccessible fitted with:	appliance which cannot be	N N
	- fixed guards or interlocking movable guards preventing access to those sections of the parts that are not used in the work, and	Anbotek Anbotek Ant	otek N anbotek
Anbotek	- adjustable guards restricting access to those sections of the moving parts where access is necessary	ek Anbotek Anbotek	Anbo
tek Aupor	Interlocking movable guards used where frequent access is required	botek Anbotek Anbote	k N M
21.1 Anbotek Anbotek Anbotek	Appliances and their components and fittings have adequate mechanical strength and is constructed to withstand such rough handling that may be expected in normal use, during transportation, assembly, dismantling, scrapping and any other action involving the appliance	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N nbotek Anbotek Anbot







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Jek	IEC 60335_1X ATTACHME	INI tek sabor Air	
Clause	Requirement + Test	Result - Remark	Verdict
22.ZE.1	For appliances provided with a seat, the seat gives adequate stability	Anbotek Anbotek	nbot N
Anbotek	The distance between the seat and the control devices capable of being adapted to the operator	ek Anbotek Anbotek	Anbor Anbor
22.ZE.2	For appliances provided with separate devices for the start and the stop functions, the stop function is unambiguously identifiable and does always override the start function	Anbotek Anbotek Anbotek Anbotel	hek N Ant
Anbotek Anbotek	For appliances provided with one device performing the start and the stop function, the stop function is unambiguously identifiable and does always override the start function	Anbotek Anbotek Anbotek	Anborek
22.ZE.3	Appliances designed in such a way that incorrect mounting is avoided, if this can lead to an unsafe situation	ortek Anbotek Anbotek	NAUP
Anborek Anborek	If this is not possible, information on the correct mounting is given directly on the part and/or the enclosure	Anbotek Anbotek Ar	hotek Anbotek
22.ZE.4	Where the weight, size or shape prevents appliances from being moved manually, they are fitted with attachments for lifting gear, or	otek Aupotek Aupotek	ANore
ofek And	so designed that they can be fitted with such attachments, or	nbotek Anbotek Anbot	ek N Þ
Anbotek	be shaped in such a way that standard lifting gear can easily be used	Anbotek Anbotek An	N
Anbotel	Appliances to be moved manually are constructed or equipped so that they can be moved easily and safely	tek Anbotek Anbotek	Anbo
22.ZE.5	The fixing systems of fixed guards which prevent access to dangerous moving transmission parts only removable with the use of tools	Anbotek Anbotek Anbote	K N AT
Anbotek Anbotek	If such guards have to be removed by the user for routine cleaning or maintenance their fixing systems remain attached to the fixed guards or to the machine after removal	Anbotek Anbotek Anbotek Anbotek	Anbotek
tek Aupo,	Where possible, guards are incapable of remaining in place without their fixings	botek Anbotek Anbote	N ^{nbo}
anbotek an	This does not apply if, after removal of the screws, or if the component is incorrectly repositioned, the appliance becomes inoperative	Anbotek Anbotek Anb	otek N
botek	Movable guards are interlocked	abotek Anbot	Nek







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	IEC 60335_1X ATTACHME	NT tek abotek Anbor	
Clause	Requirement + Test	Result - Remark	Verdict
Anbotek Anbotek	The interlocking devices prevent the start of hazardous appliance functions until the guards are fixed in their position, and give a stop command whenever they are no longer closed	Anbotek Anbotek Anbotek Anbotek	nbotek Anbotek
botek Anbote	Where it is possible for an operator to reach the dar hazardous appliance functions has ceased, movabl guard locking device in addition to an interlocking de-	e guards associated with a	Yek Au
Anbotek	- prevents the start of hazardous appliance functions until the guard is closed and locked, and	Ambotek Anbotek An	nbote N
Anbotek	- keeps the guard closed and locked until the risk of injury from the hazardous appliance functions has ceased	Anbotek Anbotek	Anbore
otek Anbo	Interlocking movable guards remain attached to the appliance when open, and	otek Anbotek Anbotek	NAnt
Anbotek A	they are designed and constructed in such a way that they can be adjusted only by means of an intentional action	Anbotek Anbotek Anbo	botek
22.ZE.6	Interlocking movable guards designed in such a way that the absence or failure of one of their components prevents starting or stops the hazardous appliance functions	otek Anbotek Anbotek	Anbore,
otek Anbe	The guard is opened to the extent needed to cause the interlocking to operate and is then closed, the number of operations being defined in the specific Part 2:	Anbotek Anbotek Anbotek Anbot	otek Lotek
k Anbotek	After this test any defect that may be expected in normal use is applied to the interlock system, including interruption of the supply, only one defect being simulated at a time	Tek Anbotek Anbotek	Anborek Anborek
hotek And	After these tests the interlock system is fit for further use	botek Anbotek Anbot	N P
22.ZE.7	Adjustable guards restricting access to areas of the for the work are:	moving parts strictly necessary	anbote ^R
Anbores	- adjustable manually or automatically, depending on the type of work involved, and	ek abotek Anbotek	An Niek
ok hot	- readily adjustable without the use of tools	ok hotek Anbotes	N
22.ZE.8	In case of interruption, re-establishment after an interruption or fluctuation in whatever manner of the power supply, the appliance does not restart	Anbotek Anbotek Anbote	otek N bu







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	Requirement + Test	Result - Remark	Verdict
Anbotek Anbotek	However, automatic restarting of the operation is allowed if the appliance may continue to operate, without causing any hazard to the user, from the same point in its operating cycle at which the voltage interruption or fluctuation occurred	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	nborek Anborek Anbor
22.ZE.9	Appliances fitted with means to isolate them from all energy sources	port Anhotek Anbotek	N An
-botek	Such isolators are clearly identified, and	Potek Aupote And	N
Anbotek	they are capable of being locked if reconnection endanger persons	Wipotek Wipotek W	Nek Anborek
Anbored Anborel	After the energy source is disconnected, it is possible to dissipate any energy remaining or stored in the circuits of the appliance without risk to persons	otek Anbotek Anbotek	ANOON AN
tek .	porter Anbor	and atek anbotek Anbo	a/c
ZF Anbotek	ANNEX ZF (INFORMATIVE) CRITERIA APPLIED FOR THE ALLOCATION OF STANDARDS IN THE EN 60335 SERIES UNDER		Anbotek Anbotek
k Anbotek	List of standards under CENELEC/TC61 with the allocation under the LVD (Low Voltage Directive) or the MD (Machinery Directive):	otek Anbotek Anbotek	AP Ant
0. N	Motek Ambore Ame stek Amborek	upo ek potek Aupo	
ZG	ANNEX ZG (NORMATIVE) UV APPLIANCES	Anbotek Anbotek An	poter
Anborek	The following modifications to this standard apply to appliances having UV emitters	Anbotek Anbotek	Anborel Anborel
Anbotek Anbotek Anbot		tek Anbotek Anbotek Ibotek Anbotek Anbotek	Nobel Nobel
7.12.ZG	to appliances having UV emitters This annex is not applicable to appliances covered by the scopes of IEC 60335-2-27, IEC 60335-2-59	Anbotek	Vupo.
7.12.ZG	to appliances having UV emitters This annex is not applicable to appliances covered by the scopes of IEC 60335-2-27, IEC 60335-2-59 or IEC 60335-2-109 The instructions for appliances incorporating UVC emitters include the substance of the following: WARNING — This appliance contains a UV	Jek Anbotek Anbotek Jorek Anbotek	N _n bo
Anbotek Anbotek	to appliances having UV emitters This annex is not applicable to appliances covered by the scopes of IEC 60335-2-27, IEC 60335-2-59 or IEC 60335-2-109 The instructions for appliances incorporating UVC emitters include the substance of the following: WARNING — This appliance contains a UV emitter. Do not stare at the light source For appliances incorporating UV emitters the manufacturer delivers a declaration providing evidence that the plastic material exposed to the	Anbotek	Anbo. Ninbotek Anbotek







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49K	IEC 60335_1X ATTACHME	INT tek nbotek Anbo	-K
Clause	Requirement + Test	Result - Remark	Verdict
Anbor.	- for class I appliances or class II appliances with functional earth, standard sheet EU2, EU3 or EU4:	Anbotek Anbotek	inboter hotek
Anbotek	- for class II appliances, standard sheet EU5, EU6 or EU7:	ek Anbotek Anbotek	An N Anbot
otek Aupr	There are exemptions or differences in certain CENELEC countries	ootek Anbotek Anbotel	N An
rek	botek Anbot Anbotes	Ann tek abotek Anbr	· V
Anbotek Anbotek	ANNEX ZI (INFORMATIVE) Information on the application of A11:2014 to EI CENELEC CLC/TC 61(SEC)2096A	N 60335-1:2012	Anbotek
Anbo	Clarification of the application of parts 2 in conjunction with the 2002 or 2012 version of EN 60335-1	otek Anbotek Anbotek	IP An
oten Ar	tek obotek Anbore An	Aupoten Aupo	lek.
ZZA	ANNEX ZZA (INFORMATIVE) RELATIONSHIP BETWEEN THIS EUROPEAN ST OBJECTIVES OF DIRECTIVE 2014/35/EU [2014 (COVERED		Anbotek
	This standard provides one means of conforming to safety objectives of Directive 2014/35/EU	otek Mipotek Wipotek	APD Amb
otek Anl Inbotek Anbotek	When cited in the Official Journal under that Directive, compliance with the normative clauses of this standard given in Table ZZA.1 confers a presumption of conformity with the safety objectives of that Directive and associated EFTA regulations	nbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	ek P potek Anbotek
tek Anbote	Compliance with this Part 1 when used together with the relevant Part 2 provides one means of conformity with the safety objectives	tek Anbotek Anbotek	Anbr
Yes	atotek Anbore k Anborek Anborek	in tek upotek Aupon	, P
ZZB Anbotek Anbotek	ANNEX ZZB (INFORMATIVE) RELATIONSHIP BETWEEN THIS EUROPEAN ST ESSENTIAL REQUIREMENTS OF DIRECTIVE 20 COVERED		anbotek
anbotel Anb	This standard provides one means of conforming to essential requirements of EU Directive 2006/42/EC	otek Anbotek Anbotek	P _{nb} c Anbc
botek Anbotek Anbotek	When cited in the Official Journal under that Directive, compliance with the normative clauses of this standard given in Table ZZB.1 confers a presumption of conformity with the essential requirements of that Directive and associated EFTA regulations	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	otek P nbotek Anbotek







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Clause	Requirement + Test	Result - Remark	Verdict
Anbotek Anbotek	Compliance with this Part 1 when used together with the relevant Part 2 provides one means of conformity with the essential health and safety requirements	Anbotek Anbotek Anbotek Anbotek	nbo ^{re} P Anbotek
ek anb	ster Anborek Anbore Anti-	otek anbotek Anbo	
ootek A	ANNEX EN 62233:2008 + AC:2008 EMF- ELECTROMAGNETICS FIELDS	Anbotek Anbotek Anbo	tek -
Anbols	The tested product also complies with the requirem	ents of EN 62233:2008	100101
Anboren	Limit100%	Measured max. :10.67%	. abPek





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Attachment 2: Photo documentation











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Attachment 2: Photo documentation











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Attachment 2: Photo documentation













Attachment 2: Photo documentation











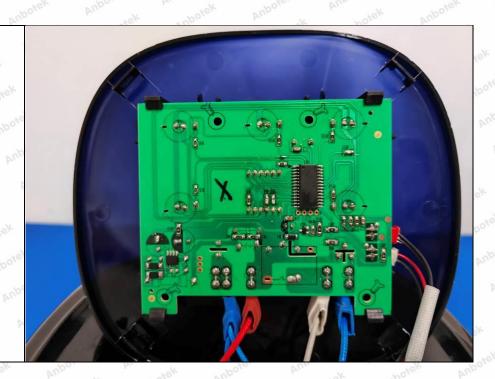
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Attachment 2: Photo documentation

Photo 9 L-5061 Internal



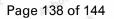
Photo 10 L-5061 Internal











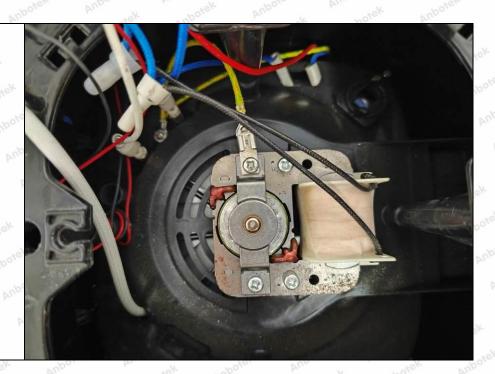


Attachment 2: Photo documentation

Photo 11 L-5061 Internal



Photo 12 L-5061 Internal









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Attachment 2: Photo documentation









Shenzhen Anbotek Compliance Laboratory Limited

Hotline

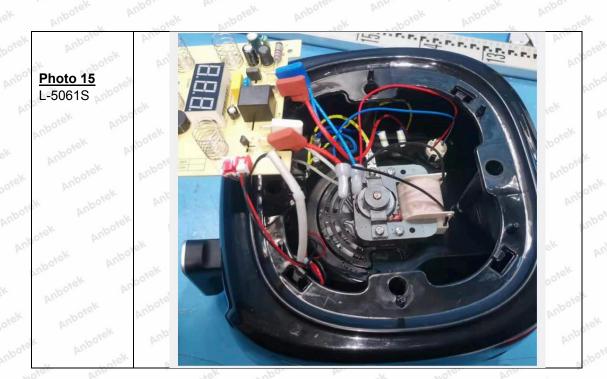
400-003-0500 www.anbotek.com.cn





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Attachment 2: Photo documentation











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Attachment 2: Photo documentation



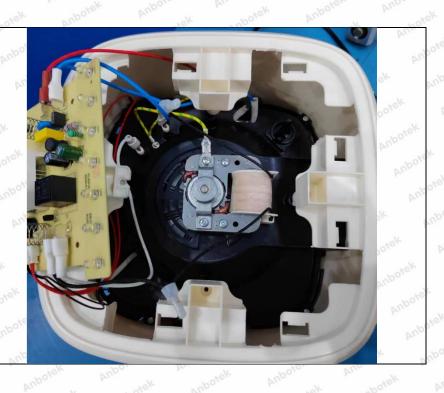
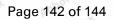


Photo 18 L-5060S









Attachment 2: Photo documentation

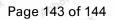




Photo 20 L-5060 L-5060S









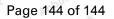
Attachment 2: Photo documentation













Attachment 2: Photo documentation

Photo 23 L-5060 L-5061

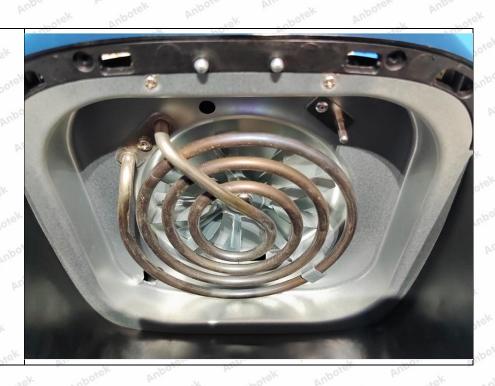


Photo 24 L-5060S L-5061S



-----End of report -----





