



Test Report issued under the responsibility of:



LCIE

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

Report Number..... AQMP-ESH-P24101800-A1
Date of issue 2024-12-18, Amendment 1: 2025-05-06
Total number of pages..... 131 pages

Name of Testing Laboratory preparing the Report..... LCIE CHINA COMPANY LIMITED
 Building 4, No. 518, Xin Zhuan Road, CaoHejing Songjiang High-Tech Park, Shanghai P.R.C (201612)

Applicant's name Ningbo Congyao Electric Appliance Co., LTD
Address Floor 1-5, Building 5, No.228, Pengmin Branch Road, Pengqiao Village, Henghe Town, Cixi City, Ningbo, Zhejiang Province, 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..... CB Scheme
Non-standard test method..... N/A

Test Report Form No. IEC60335_2_9P
Test Report Form(s) Originator LCIE
Master TRF Dated 2019-08-23

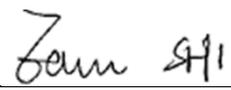
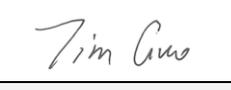
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Supplement "A1" to test report No. AQMP-ESH-P24101800 dated on 2024-12-18

Test item description :	Air fryer
Trade Mark(s) :	None
Original Product/Equipment Manufacturer :	Ningbo Congyao Electric Appliance Co., LTD Floor 1-5, Building 5, No.228, Pengmin Branch Road, Pengqiao Village, Henghe Town, Cixi City, Ningbo, Zhejiang Province, China
Branding Manufacturer(s) :	N/A
Model/Type reference :	CY-10001-E, CY-10002-E , CY-10003-E, CY-10004-E , CY-10005-E , CY-10006-E , CY-10007-E , CY-10008-E , CY-10009-E , CY-10010- E , CY-10011-E , CY-10012-E , CY-10013-E , CY-10014-E , CY- 10015-E , CY-10016-E , CY-10017-E , CY-10018-E , CY-10019-E , CY-10020-E , CY-10021-E , CY-10022-E
Ratings :	220-240 V~, 50-60Hz, 2200W, Class I, IPX0 for all models

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Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	LCIE CHINA COMPANY LIMITED
Testing location/ address.....:		Building 4, No. 518, Xin Zhuan Road, CaoHejing Songjiang High-Tech Park, Shanghai P.R.C (201612)
Tested by (name, function, signature).....:		Project Engineer Eavan SHI 
Approved by (name, function, signature)....:		Project Manger Tim Guo 
<input type="checkbox"/>	Testing procedure: CTF Stage 1:	
Testing location/ address.....:		
Tested by (name, function, signature).....:		
Approved by (name, function, signature)....:		
<input type="checkbox"/>	Testing procedure: CTF Stage 2:	
Testing location/ address.....:		
Tested by (name + signature)		
Witnessed by (name, function, signature)..:		
Approved by (name, function, signature)....:		
<input type="checkbox"/>	Testing procedure: CTF Stage 3:	
<input type="checkbox"/>	Testing procedure: CTF Stage 4:	
Testing location/ address.....:		
Tested by (name, function, signature).....:		
Witnessed by (name, function, signature)..:		
Approved by (name, function, signature)....:		
Supervised by (name, function, signature) :		

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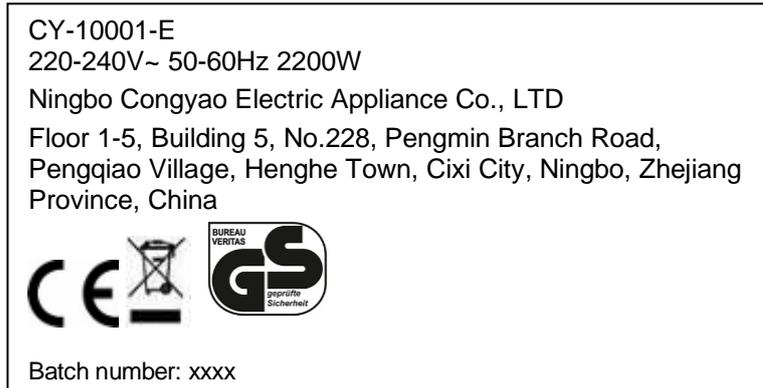
<p>List of Attachments (including a total number of pages in each attachment):</p> <p>Appendix 1: for photo of appliance (21 pages)</p> <p>Appendix 2: for EU Group differences and EN 60335-2-9:2003 + A1:2004 + A2:2006 + A12:2007 +A13:2010 used in conjunction with EN 60335-1:2012+A11:2014+A13:2017+ A1:2019+A14:2019+A2:2019+A15:2021+A16:2023 and EN 62233 :2008 (22 pages)</p> <p>Appendix 3: EK1 AG2 rev 10 (1 page)</p> <p>Appendix 4: equipment list (3 pages)</p>	
<p>Summary of testing:</p>	
<p>Tests performed (name of test and test clause):</p> <p>IEC 60335-2-9:2019</p> <p>IEC 60335-1:2010+ A1:2013+ A2:2016</p> <p>EN 60335-1:2012+A11:2014+A13:2017+ A1:2019+A14:2019+A2:2019+A15:2021+A16:2023</p> <p>EN 60335-2-9:2003+A1:2004+A2:2006+A12:2007 +A13:2010</p> <p>(EU) 2017/1357</p> <p>EK1 AG2 rev 10</p> <p>Clause 6-8, 10, 11, 13, 15, 16, 19.11, 20-29 were performed on CY-10001-E with new PCB.</p> <p>Clause 6-8, 10, 11.102, 20-29 were performed for model CY-10002-E, CY-10004-E.</p> <p>Declarations for CY-10005-E, CY-10006-E, CY-10007-E, CY-10008-E, CY-10009-E, CY-10010-E, CY-10011-E, CY-10012-E, CY-10013-E, CY-10014-E, CY-10015-E, CY-10016-E, CY-10017-E, CY-10018-E, CY-10019-E, CY-10020-E, CY-10021-E, CY-10022-E.</p>	<p>Testing location:</p> <p>LCIE CHINA COMPANY LIMITED</p> <p>Building 4, No. 518, Xin Zhuan Road, CaoHejing Songjiang High-Tech Park, Shanghai P.R.C (201612)</p>
<p>Summary of compliance with National Differences (List of countries addressed):</p> <p>The deviations EU Group differences have also been considered during this examination.</p> <p>EK1 AG2 rev 10 has been taken into consideration in this Test Report, see Appendix 3.</p> <p>Appliances evaluated and complied with PAK/PAH requirement of AfPS GS 2019 : 01 PAK</p>	
<p>Statement concerning the uncertainty of the measurement systems used for the tests (may be required by the product standard or client)</p> <p><input checked="" type="checkbox"/> Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:</p> <p>Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.</p> <p><input type="checkbox"/> Statement not required by the standard used for type testing</p>	

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Copy of marking 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.

German



English



Marking labels for other models are same as the above ones except for the model name.

Note:

- 1, For EUROPEAN market the name and address of EUROPEAN importer also should list in the marking plate. The height of CE symbol shall be no less than 5mm, WEEE symbol shall be no less than 7mm.
- 2, The separate label which indicates the name, registered trade name or registered trade mark and the postal address of the importer or authorized representatives shall also be clearly discernible from the outside of the appliance when the appliance is installed as in normal use. The postal address shall be a single point at which the importer or authorised representatives can be contacted and in the European Union countries.
3. The serial no. on above label shall include the content about a type, batch or serial number or other element allowing its identification.

Test item particulars: Air fryer	
Classification of installation and use: Household and indoor use	
Supply Connection: Type Y attachment:	
Possible test case verdicts: - test case does not apply to the test object..... : N/A - test object does meet the requirement..... : P (Pass) - test object does not meet the requirement..... : F (Fail)	
Testing :	
Date of receipt of test item : 2025-04-17	
Date (s) of performance of tests : 2025-04-17 to 2025-04-30	
General remarks:	
<p>“(See Enclosure #)” refers to additional information appended to the report. “(See appended table)” refers to a table appended to the report.</p> <p>Throughout this report a <input checked="" type="checkbox"/> comma / <input type="checkbox"/> point is used as the decimal separator.</p>	
Manufacturer’s Declaration per sub-clause 4.2.5 of IEC60335-2-9P:	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided.....:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable
When differences exist; they shall be identified in the General product information section.	
Name and address of factory (ies) : Ningbo Congyao Electric Appliance Co., LTD Floor 1-5, Building 5, No.228, Pengmin Branch Road, Pengqiao Village, Henghe Town, Cixi City, Ningbo, Zhejiang Province, China	

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General product information and other remarks:

Test item are air fryers for household and indoor use only.

All models incorporate electric thermostat and thermal links to perform temperature control and overheat protection.

220-240 V~, 50-60Hz, 2200W, Class I, IPX0 for all models

The main differences between them are:

Model	Control mode	Lighting camp	Out-looking
CY-10001-E CY-10005-E, CY-10006-E, CY-10007-E, CY-10008-E, CY-10009-E, CY-10010-E, CY-10011-E, CY-10012-E, CY-10013-E, CY-10014-E, CY-10015-E, CY-10016-E, CY-10017-E, CY-10018-E, CY-10019-E, CY-10020-E, CY-10021-E, CY-10022-E	Electrical	Yes	
CY-10002-E	Electrical	Yes	
CY-10003-E	Electrical	Yes	

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<p>CY-1004-E</p>	<p>Electrical</p>	<p>Yes</p>	
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Models in same columns are all the same, except the model name.

Amendment 1:

The original Test Reports Ref. AQMP-ESH-P24101800 dated on 2024-12-18 was modified on 2025-04-30 to include the following changes and/or additions:

1. New models of CY-10002-E and CY-10004-E added, differences between them refer to table above.
2. New models of CY-10005-E, CY-10006-E, CY-10007-E, CY-10008-E, CY-10009-E, CY-10010-E, CY-10011-E, CY-10012-E, CY-10013-E, CY-10014-E, CY-10015-E, CY-10016-E, CY-10017-E, CY-10018-E, CY-10019-E, CY-10020-E, CY-10021-E, CY-10022-E added, same as CY-10001-E in original report only with different model name.
3. Alternative PCB with new circuit added for all models.
4. CDF update, some components were added or updated (Show BOLD in CDF).

After checked, clauses that need to be performed are shown in the "summary of testing".
 After testing, the samples are considered to comply with the requirements of relevant standards.

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
6	CLASSIFICATION		--
6.1	Protection against electric shock: Class 0, 0I, I, II, III..... :	Class I	P
	For a class III construction with a detachable power supply part the appliance is classified according to the detachable power supply part		N/A
6.2	Protection against harmful ingress of water	IPX0	N/A
	Appliances intended for outdoor use shall be at least IPX4 (IEC 60335-2-9)		N/A
7	MARKING AND INSTRUCTIONS		--
7.1	Rated voltage or voltage range (V)..... :	220-240	P
	Symbol for nature of supply, or :	~	P
	Rated frequency (Hz)..... :	50-60	P
	Rated power input (W), or..... :	See the label	P
	Rated current (A) :		N/A
	Manufacturer's or responsible vendor's name, trademark or identification mark :	See the label	P
	Model or type reference :	See the label	P
	Symbol IEC 60417-5172, for class II appliances		N/A
	IP number, other than IPX0..... :	IPX0	N/A
	Symbol IEC 60417-5180, for class III appliances, unless		N/A
	the appliance is operated by batteries only, or		N/A
	for appliances powered by rechargeable batteries recharged in the appliance		N/A
	Symbol IEC 60417-5018, for class II and class III appliances incorporating a functional earth		N/A
	The rated power input or rated current of induction hotplates shall also be marked..... (IEC 60335-2-9)		N/A
	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)		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	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)	Not exceed	N/A
	Symbol IEC 60417-5036, for the enclosure of electrically-operated water valves in external hose-sets for connection of an appliance to the water mains, if the working voltage exceeds extra-low voltage		N/A
7.2	Warning for stationary appliances for multiple supply		N/A
	Warning placed in vicinity of terminal cover		N/A
7.3	Range of rated values marked with the lower and upper limits separated by a hyphen	220-240V~, 50-60Hz	P
	Different rated values marked with the values separated by an oblique stroke		N/A
7.4	Appliances adjustable for different rated voltages or rated frequencies, the voltage or the frequencies setting is clearly discernible		N/A
	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		N/A
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		N/A
	the power input is related to the arithmetic mean value of the rated voltage range		P
	Relation between marking for upper and lower limits of rated power input or rated current and voltage is clear		N/A
7.6	Correct symbols used		P
	Symbol for nature of supply placed next to rated voltage		P
	Symbol for class II appliances placed unlikely to be confused with other marking		N/A
	Units of physical quantities and their symbols according to international standardized system		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
7.7	Connection diagram fixed to appliances to be connected to more than two supply conductors and appliances for multiple supply, unless		N/A
	correct mode of connection is obvious		N/A
7.8	Except for type Z attachment, terminals for connection to the supply mains indicated as follows:		--
	- marking of terminals exclusively for the neutral conductor (letter N)		N/A
	- marking of protective earthing terminals (symbol IEC 60417-5019)		P
	- marking of functional earthing terminals (symbol IEC 60417-5018)		N/A
	- marking not placed on removable parts		P
7.9	Marking or placing of switches which may cause a hazard		P
7.10	Indications of switches on stationary appliances and controls on all appliances by use of figures, letters or other visual means	Refer to photo	P
	This applies also to switches which are part of a control		P
	If figures are used, the off position indicated by the figure 0		N/A
	The figure 0 indicates only OFF position, unless no confusion with the OFF position		N/A
7.11	Indication for direction of adjustment of controls		N/A
7.12	Instructions for safe use provided		P
	Details concerning precautions during user maintenance		P
	The instructions state that:		--
	- the appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction		P
	- children being supervised not to play with the appliance		P
	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		N/A
	Instructions for class III appliances state that it must only be supplied at SELV, unless		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	it is a battery-operated appliance, the battery being charged outside the appliance		N/A
	For appliances for altitudes exceeding 2000 m, the maximum altitude is stated..... :		N/A
	The instructions for appliances incorporating a functional earth states that the appliance incorporates an earth connection for functional purposes only		N/A
	Appliance with inlet and intended to be immersed for cleaning, instruction sheet including in substance:	(IEC 60335-2-9)	--
	- remove connector before cleaning		N/A
	- dry appliance inlet before re-use		N/A
	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)		N/A
	Instructions for appliances for outdoor use	(IEC 60335-2-9):	--
	-The appliance is suitable for outdoor use		N/A
	-The supply cord should be regularly examined for signs of damage, and if the cord is damages, the appliance must not be used		N/A
	-The appliance must be supplied through a residual current device (RDC) having a rated residual operating current not exceeding 30Ma		N/A
	-The appliance is to be connected to a socket-outlet having an earthing contact (class I)		N/A
	If symbol IEC 60417-5041 (2002-10) is marked on appliances, its meaning shall be explained (IEC 60335-2-9)		N/A
	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)		P
	Instructions for use		P
	For oven: The temperature of the door or the outer surface may be high when the appliance is operating (IEC 60335-2-9)		N/A
	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)		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	For barbecue: WARNING: Charcoal or similar combustible fuels must not be used with this appliance..... (IEC 60335-2-9)		N/A
	For barbecue: Maximum quantity of water to be poured into the appliance..... (IEC 60335-2-9)		N/A
	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)		N/A
	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).		N/A
	For breadmakers: maximum quantities of flour and raising agent that may be used ... (IEC 60335-2-9)		N/A
	The instructions for candy floss appliances shall state the maximum quantities of sugar and other ingredients that may be used. (IEC 60335-2-9)		N/A
	The instructions shall include the substance of the following: (IEC 60335-2-9)		--
	This appliances is intended to be used in household and similar applications such as: -staff kitchen areas in shops, offices and others working environments; -farm houses; -by clients in hotels, motels and other residential type environments; -bed and breakfast type environments.	Limited	N/A
	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)		P
7.12.1	Sufficient details for installation supplied		N/A
	For an appliance intended to be permanently connected to the water mains and not connected by a hose-set, this is stated		N/A
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		N/A
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		N/A
7.12.4	Instructions for built-in appliances:		--

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	- dimensions of space		N/A
	- dimensions and position of supporting and fixing		N/A
	- minimum distances between parts and surrounding structure		N/A
	- minimum dimensions of ventilating openings and arrangement		N/A
	- connection to supply mains and interconnection of separate components		N/A
	- allow disconnection of the appliance after installation, by accessible plug or a switch in the fixed wiring, unless		N/A
	a switch complying with 24.3		N/A
7.12.5	Replacement cord instructions, type X attachment with a specially prepared cord		N/A
	Replacement cord instructions, type Y attachment		P
	Replacement cord instructions, type Z attachment		N/A
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 standard		N/A
7.12.7	Instructions for fixed appliances stating how the appliance is to be fixed		N/A
7.12.8	Instructions for appliances connected to the water mains:		--
	- max. inlet water pressure (Pa) :		N/A
	- min. inlet water pressure, if necessary (Pa)..... :		N/A
	Instructions concerning new and old hose-sets for appliances connected to the water mains by detachable hose-sets		N/A
7.12.9	Instructions specified in 7.12 and from 7.12.1 to 7.12.8 appear together before any other instructions supplied with the appliance		P
	These instructions may be supplied with the appliance separately from any functional use booklet		P
	They may follow the description of the appliance that identifies parts, or follow the drawings/sketches		P
	In addition, instructions are also available in an alternative format such as on a website or on request from the user in a format such as a DVD		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	In addition, instructions are also available in an alternative format such as on a website or in a format such as a DVD..... :		P
7.13	Instructions and other texts in an official language	English & German	P
7.14	Marking clearly legible and durable, rubbing test as specified		P
	Signal words WARNING, CAUTION, DANGER in uppercase having a height as specified..... :		N/A
	Uppercase letter of the text explaining the signal word not smaller than 1,6 mm :		N/A
	Moulded in, engraved, or stamped markings either raised above or have a depth below the surface of at least 0,25 mm, unless		N/A
	contrasting colours are used		N/A
	Markings checked by inspection, measurement and rubbing test as specified		P
	The height of the triangle used with symbol IEC 60417-5041(DB:2002-10) shall be at least 12 mm (IEC 60335-2-9).		N/A
7.15	Markings on a main part		P
	Marking clearly discernible from the outside, if necessary after removal of a cover		P
	For portable appliances, cover can be removed or opened without a tool		N/A
	For stationary appliances, name, trademark or identification mark and model or type reference visible after installation		N/A
	For fixed appliances, name, trademark or identification mark and model or type reference visible after installation according to the instructions		N/A
	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		P
	The symbol IEC 60417-5018 placed next to the symbol IEC 60417-5172 or IEC 60417-5180		N/A
	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)		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
7.16	Marking of a possible replaceable thermal link or fuse link clearly visible with regard to replacing the link		N/A
7.101	The cooking zone of hot plates shall be identified by appropriate marking (IEC 60335-2-9)		N/A
	unless it is obvious		N/A
8	PROTECTION AGAINST ACCESS TO LIVE PARTS		--
8.1	Adequate protection against accidental contact with live parts		P
8.1.1	Requirement applies for all positions, detachable parts removed		P
	Lamps behind a detachable cover not removed, if conditions met		N/A
	Insertion or removal of lamps, protection against contact with live parts of the lamp cap		P
	Use of test probe B of IEC 61032, with a force not exceeding 1 N: no contact with live parts		P
	Use of test probe B of IEC 61032 through openings, with a force of 20N: no contact with live parts		P
	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)		N/A
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		P
	Test probe 13 also applied through openings in earthed metal enclosures having a non-conductive coating: no contact with live parts		P
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		N/A
	For a single switching action obtained by a switching device, requirements as specified		N/A
	For appliances with a supply cord and without a switching device, the single switching action may be obtained by the withdrawal of the plug		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	For toasters it is not necessary for the heating element switching device to provide full disconnection or meet the clearances for full disconnection specified in 20.1.5.3 of IEC 61058-1:2000 obtained from Table 22 of IEC 61058-1:2000. (IEC 60335-2-9)		N/A
8.1.4	Accessible part not considered live if:		--
	- safety extra-low a.c. voltage: peak value not exceeding 42.4 V		N/A
	- safety extra-low d.c. voltage: not exceeding 42.4 V		N/A
	- or separated from live parts by protective impedance		N/A
	If protective impedance: d.c. current not exceeding 2 Ma, and		N/A
	a.c. peak value not exceeding 0.7 Ma		N/A
	- for peak values over 42.4 V up to and including 450 V, capacitance not exceeding 0,1 μ F		N/A
	- for peak values over 450 V up to and including 15 Kv, discharge not exceeding 45 μ C		N/A
	- for peak values over 15Kv, the energy in the discharge not exceeding 350 Mj		N/A
	For toasters it is not necessary for the heating element switching device to provide full disconnection or meet the clearances for full disconnection specified in 20.1.5.3 of IEC 61058-1:2000 obtained from Table 22 of IEC 61058-1:2000		N/A
8.1.5	Live parts protected at least by basic insulation before installation or assembly:		--
	- built-in appliances		N/A
	- fixed appliances		N/A
	- appliances delivered in separate units		N/A
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		P
	Only possible to touch parts separated from live parts by double or reinforced insulation		P
10	POWER INPUT AND CURRENT		--
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)	P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	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		N/A
	Otherwise the power input is the arithmetic mean value		N/A
	Test carried out at upper and lower limits of the ranges for appliances with one or more rated voltage ranges, unless		N/A
	the rated power input is related to the arithmetic mean value		P
	Power input of induction hotplates measured separately and the tolerances for motor-operated appliances apply. (IEC 60335-2-9)		N/A
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/A
	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		N/A
	Otherwise the current is the arithmetic mean value		N/A
	Test carried out at upper and lower limits of the ranges for appliances with one or more rated voltage ranges, unless		N/A
	the rated current is related to the arithmetic mean value of the range		N/A
	Current input of induction hotplates measured separately and the tolerances for motor-operated appliances apply (IEC 60335-2-9)		N/A
11	HEATING		--
11.1	No excessive temperatures in normal use		P
	Compliance for toasters is also checked by the test of 11. 101 (IEC 60335-2-9)		N/A
	Compliance for ovens, rotary grills and cookers is also checked by the test of 11.102. (IEC 60335-2-9)		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	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)		N/A
	Compliance for breadmakers, pop-corn makers, and food dehydrators is also checked by the test of 11.104. (IEC 60335-2-9)		N/A
	Compliance for roasters is also checked by the test of 11.105. (IEC 60335-2-9)		P
	For all other types of appliances, compliance is checked by submitting the appliance to the tests of the nearest mentioned relevant type of appliance. (IEC 60335-2-9)		N/A
11.2	The appliance is held, placed or fixed in position as described..... :	with their backs as near as possible to one of the walls of the test corner and away from the other wall	P
	Radiant grills and raclette grills that are loaded 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 corner and away from the other wall (IEC 60335-2-9)		P
11.3	Temperature rises, other than of windings, determined by thermocouples		P
	Temperature rises of windings determined by resistance method, unless	Fan motor	P
	the windings are non-uniform or it is difficult to make the necessary connections		N/A
	Where the external accessible surfaces are suitably flat and access permits, then the test probe of Figure 105 is used to measure the temperature rises of external accessible surfaces specified in Table 102. The probe is applied with a force of 4 N \pm 1 N to the surface in such a way that the best possible contact between the probe and the surface is ensured. (IEC 60335-2-9)		P
11.4	Heating appliances operated under normal operation at 1.15 times rated power input (W) :	(see appended table)	P
	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)		N/A
	Breadmakers are operated as specified for combined appliances. (IEC 60335-2-9)		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
11.5	Motor-operated appliances operated under normal operation at most unfavourable voltage between 0.94 and 1.06 times rated voltage (V)..... :		N/A
11.6	Combined appliances operated under normal operation at most unfavourable voltage between 0.94 and 1.06 times rated voltage (V)..... :		N/A
	Induction hot plates are also operated with vessels, as specified in Figure 104, containing water and covered with a lid. Controls are adjusted to their highest setting until the water boils and then adjusted so that the water simmers. Water is added to maintain the level during simmering. (IEC 60335-2-9)		N/A
11.7	Tests carried out in compliance with the paragraphs N° 1 to 13 (IEC 60335-2-9)		P
11.8	Temperature rises monitored continuously and not exceeding the values in table 3 :	(see appended table)	P
	If the temperature rise of a motor winding exceeds the value of table 3, or		N/A
	if there is doubt with regard to classification of insulation,		N/A
	tests of Annex C are carried out		N/A
	Sealing compound does not flow out		P
	Protective devices do not operate, except		P
	components in protective electronic circuits tested for the number of cycles specified in 24.1.4		N/A
	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. (IEC 60335-2-9)		N/A
	When an appliance connector incorporates a thermostat, the temperature rise limit for the pins of the inlet does not apply (IEC 60335-2-9)		N/A
	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)		N/A
	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).		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	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)		P
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).		N/A
	During the test, the temperature rise of surfaces shall not exceed the values specified in Table 102 (IEC 60335-2-9).		N/A
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)		P
	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.		P
	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.		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)		N/A
	Induction hotplates and induction wok hotplates are operated at rated voltage instead of rated power input.		N/A
	During the test, the temperature rise of surfaces shall not exceed the values specified in Table 102.		N/A
11.104	Breadmakers, pop-corn makers and food dehydrators are placed as specified in 11.2 and operated under normal operation. Pop-corn makers and food dehydrators are supplied at rated power input and breadmakers are supplied at rated voltage. (IEC 60335-2-9).		N/A
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 in Table 102.		P
13	LEAKAGE CURRENT AND ELECTRIC STRENGTH AT OPERATING TEMPERATURE		--
13.1	Leakage current not excessive and electric strength adequate		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Heating appliances operated at 1.15 times the rated power input (W)	(see appended table)	P
	Motor-operated appliances and combined appliances supplied at 1.06 times the rated voltage (V)		N/A
	Protective impedance and radio interference filters disconnected before carrying out the tests		P
	grill incorporated in oven, oven or grill operated most unfavourable (IEC 60335-2-9).		N/A
	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).		N/A
13.2	The leakage current is measured by means of the circuit described in Figure 4 of IEC 60990:1999		P
	For class 0I appliances and class I appliances, except parts of class II construction, C may be replaced by a low impedance ammeter		P
	Leakage current measurements.....	(see appended table)	P
	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)		N/A
	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)		N/A
13.3	The appliance is disconnected from the supply		P
	Electric strength tests according to table 4	(see appended table)	P
	test voltage of 1000V if earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate (IEC 60335-2-9).		N/A
	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).		N/A
	No breakdown during the tests		P
15	MOISTURE RESISTANCE		--
15.1	Enclosure provides the degree of moisture protection according to classification of the appliance	IPX0	N/A
	Compliance checked as specified in 15.1.1, taking into account 15.1.2, followed by the electric strength test of 16.3		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	No trace of water on insulation which can result in a reduction of clearances or creepage distances below values specified in clause 29		N/A
15.1.1	Appliances, other than IPX0, subjected to tests as specified in IEC 60529..... :	IPX0	N/A
	Water valves containing live parts in external hoses for connection of an appliance to the water mains tested as specified for IPX7 appliances		N/A
15.1.2	Hand-held appliance turned continuously through the most unfavourable positions during the test		N/A
	Built-in appliances installed according to the instructions		N/A
	Appliances placed or used on the floor or table placed on a horizontal unperforated support		N/A
	Appliances normally fixed to a wall and appliances with pins for insertion into socket-outlets are mounted on a wooden board		N/A
	For IPX3 appliances, the base of wall mounted appliances is placed at the same level as the pivot axis of the oscillating tube		N/A
	For IPX4 appliances, the horizontal centre line of the appliance is aligned with the pivot axis of the oscillating tube, and		N/A
	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		N/A
	Wall-mounted appliances, take into account the distance to the floor stated in the instructions		N/A
	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		N/A
	for IPX4 appliances, the movement of the tube is limited to two times 90° from the vertical for a period of 5 min		N/A
	Appliances with type X attachment fitted with a flexible cord as described		N/A
	Detachable parts subjected to the relevant treatment with the main part		N/A
	However, if a part has to be removed for user maintenance and a tool is needed, this part is not removed		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
15.2	Spillage of liquid does not affect the electrical insulation		P
	Spillage solution comprising water containing approximately 1 % NaCl and 0,6 % rinsing agent		P
	Appliances with type X attachment fitted with a flexible cord as described		N/A
	Appliances incorporating an appliance inlet tested with or without an connector, whichever is most unfavourable		N/A
	Detachable parts are removed		P
	Overfilling test with additional amount of the solution, over a period of 1 min (l)		P
	Overfilling test; quantity : as specified in IEC 60335-2-9		N/A
	Ovens: 0.5l (IEC 60335-2-9)		P
	Hotplates and cookers : 0.5l ,15s (IEC 60335-2-9)		N/A
	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)		N/A
	Hotplates incorporate a thermal control : 0.02l (IEC 60335-2-9)		N/A
	Hotplates having ventilating opening : 0.2l (IEC 60335-2-9)		N/A
	Other appliances : 0.1l/100cm ² 1min (IEC 60335-2-9)		N/A
	The appliance withstands the electric strength test of 16.3		P
	No trace of water on insulation that can result in a reduction of clearances or creepage distances below values specified in clause 29		P
15.3	Appliances proof against humid conditions		P
	Checked by test Cab: Damp heat steady state in IEC 60068-2-78		P
	Detachable parts removed and subjected, if necessary, to the humidity test with the main part		P
	Humidity test for 48 h in a humidity cabinet		P
	Reassembly of those parts that may have been removed		P
	The appliance withstands the tests of clause 16		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
15.101	Appliances to be immersed in water for cleaning sufficiently protected against effects of immersion (IEC 60335-2-9)		N/A
	Testing conditions and scheduling as specified		N/A
	No trace of water on insulation which can result in reduction of creepage distances and clearance below values specified in 29		N/A
16	LEAKAGE CURRENT AND ELECTRIC STRENGTH		--
16.1	Leakage current not excessive and electric strength adequate		P
	Protective impedance disconnected from live parts before carrying out the tests		N/A
	Tests carried out at room temperature and not connected to the supply		P
	For hotplates, the tests are carried out with a vessel as specified for normal operation placed on each cooking zone (IEC 60335-2-9).		N/A
	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).		N/A
16.2	Single-phase appliances: test voltage 1.06 times rated voltage (V)	254,4V	P
	Three-phase appliances: test voltage 1.06 times rated voltage divided by $\sqrt{3}$ (V).....		N/A
	Leakage current measurements.....	(see appended table)	P
	Limit values doubled if:		--
	- all controls have an off position in all poles, or		N/A
	- the appliance has no control other than a thermal cut-out, or		N/A
	- all thermostats, temperature limiters and energy regulators do not have an off position, or		N/A
	- the appliance has radio interference filters		N/A
	With the radio interference filters disconnected, the leakage current do not exceed limits specified	(see appended table)	N/A
	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)		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	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)		N/A
16.3	Electric strength tests according to table 7	(see appended table)	P
	Test voltage applied between the supply cord and inlet bushing and cord guard and cord anchorage as specified	(see appended table)	P
	test voltage of 1250 V if earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate. (IEC 60335-2-9)		N/A
	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)		N/A
	No breakdown during the tests		P
19	ABNORMAL OPERATION		--
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		P
	they comply with the conditions specified in 19.11.1		N/A
	Appliances incorporating an electronic circuit that relies upon a programmable component to function correctly, subjected to the test of 19.11.4.8, unless		N/A
	restarting does not result in a hazard		N/A
	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		P
	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		P
	During and after each test the following is checked:		--
	- the temperature of the windings do not exceed the values specified in table 8		P
	- the appliance complies with the conditions specified in 19.13		P
	- any current flowing through protective impedance not exceeding the limits specified in 8.1.4		N/A
	If a conductor of a printed board becomes open-circuited, the appliance is considered to have withstood the particular test, provided both of the following conditions are met:		--

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Clause	Requirement + Test	Result - Remark	Verdict
	- the base material of the printed circuit board withstands the test of Annex E		N/A
	- any loosened conductor does not reduce clearance or creepage distances between live parts and accessible metal parts below the values specified in clause 29		N/A
19.11.1	Fault conditions a) to g) in 19.11.2 are not applied to circuits or parts of circuits meeting both of the following conditions:		--
	- 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		N/A
	- 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		N/A
19.11.2	Fault conditions applied one at a time, the appliance operating under conditions specified in clause 11, but supplied at rated voltage, duration of the tests as specified:		--
	a) short circuit of functional insulation if clearances or creepage distances are less than the values specified in clause 29		P
	b) open circuit at the terminals of any component		P
	c) short circuit of capacitors, unless		P
	they comply with IEC 60384-14	X2 capacitor	P
	d) short circuit of any two terminals of an electronic component, other than integrated circuits		P
	This fault condition is not applied between the two circuits of an optocoupler		N/A
	e) failure of triacs in the diode mode		P
	f) failure of microprocessors and integrated circuits		P
	g) failure of an electronic power switching device		N/A
	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		N/A
	For toasters having devices with an off position obtained by electronic disconnection, the fault conditions a) to g) are also simulated with the appliance supplied at rated voltage but with the controls switched off. (IEC 60335-2-9)		N/A
	Heating elements shall not become energized. (IEC 60335-2-9)		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
19.11.3	If the appliance incorporates a protective electronic circuit that operates to ensure compliance with clause 19, the appliance is tested as specified		P
19.11.4	Appliances having a device with an off position obtained by electronic disconnection, or		N/A
	a device that can be placed in the stand-by mode,		P
	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 stand-by mode		P
	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		N/A
	appliances operated for 30 s or 5 min during the test of 19.7 are not subjected to the tests for electromagnetic phenomena.		N/A
	Surge protective devices disconnected, unless		N/A
	They incorporate spark gaps		N/A
19.11.4.1	The appliance is subjected to electrostatic discharges in accordance with IEC 61000-4-2, test level 4		P
19.11.4.2	The appliance is subjected to radiated fields in accordance with IEC 61000-4-3, test level 3		P
19.11.4.3	The appliance is subjected to radiated fields in accordance with IEC 61000-4-3, at frequency ranges specified		P
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		P
	An open circuit test voltage of 2 kV is applicable for the line-to-line coupling mode		P
	An open circuit test voltage of 4 kV is applicable for the line-to-earth coupling		P
	Earthed heating elements in class I appliances disconnected		P
19.11.4.5	The appliance is subjected to injected currents in accordance with IEC 61000-4-6, test level 3		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		P
	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		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
19.11.4.7	The appliance is subjected to mains signals in accordance with IEC 61000-4-13, test level class 2		P
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		N/A
	The appliance continues to operate normally, or		N/A
	requires a manual operation to restart		N/A
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) :	Rated max.3,15A, Tested >15A	P
19.13	During the tests the appliance does not emit flames, molten metal, poisonous or ignitable gas in hazardous amounts		P
	Temperature rises not exceeding the values shown in table 9..... :	(see appended table)	P
	Compliance with clause 8 not impaired		P
	If the appliance can still be operated it complies with 20.2		P
	Insulation, other than of class III appliances or class III constructions that do not contain live parts, withstands the electric strength test of 16.3, the test voltage as specified in table 4:		--
	- basic insulation (V) :	1000V	P
	- supplementary insulation (V)..... :	1750V	P
	- reinforced insulation (V)..... :	3000V	P
	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		P
	The appliance does not undergo a dangerous malfunction, and		P
	no failure of protective electronic circuits, if the appliance is still operable		N/A
	Appliances tested with an electronic switch in the off position, or in the stand-by mode:		--
	- do not become operational, or		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	- if they become operational, do not result in a dangerous malfunction during or after the tests of 19.11.4		P
	If the appliance contains lids or doors that are controlled by one or more interlocks, one of the interlocks may be released provided that:		--
	- the lid or door does not move automatically to an open position when the interlock is released, and		N/A
	- the appliance does not start after the cycle in which the interlock was released		N/A
	During the test of 19.102 any flame or smoke from the bread are ignored (IEC 60335-2-9)		N/A
	Temperature rise of the windings of induction hotplates not exceeding the values specified in 19.7 (IEC 60335-2-9)		N/A
20	STABILITY AND MECHANICAL HAZARDS		--
20.1	Appliances having adequate stability		P
	Tilting test through an angle of 10°, appliance placed on an inclined plane/horizontal support, not connected to the supply mains; appliance does not overturn		P
	Tilting test repeated on appliances with heating elements, angle of inclination increased to 15°		P
	Possible heating test in overturned position; temperature rise does not exceed values shown in table 9		N/A
20.2	Moving parts adequately arranged or enclosed as to provide protection against personal injury		P
	Protective enclosures, guards and similar parts are non-detachable, and		P
	have adequate mechanical strength		P
	Enclosures that can be opened by overriding an interlock are considered to be detachable parts		N/A
	Self-resetting thermal cut-outs and overcurrent protective devices not causing a hazard by unexpected closure		N/A
	Not possible to touch dangerous moving parts with the test probe described		P
20.101	Oven with horizontal hinged door: successful tilting test in conditions as specified, if relevant (weight of 3,5 kg) (IEC 60335-2-9).		N/A
21	MECHANICAL STRENGTH		--

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
21.1	Appliance has adequate mechanical strength and is constructed as to withstand rough handling		P
	Checked by applying 3 blows to every point of the enclosure like to be weak, in accordance with test Ehb of IEC 60068-2-75, spring hammer test, with an impact energy of 0,5 J	(see appended table)	P
	The appliance shows no damage impairing compliance with this standard, and		P
	compliance with 8.1, 15.1 and clause 29 not impaired		P
	If doubt, supplementary or reinforced insulation subjected to the electric strength test of 16.3		N/A
	If necessary, repetition of groups of three blows on a new sample		N/A
	For appliances intended for outdoor use, the impact energy is 0.7J (IEC 60335-2-9)		N/A
	Appliances incorporates visibly glowing heating elements the blows are applied to the tubes without removing any heater guards as mounted in the appliance if they are (IEC 60335-2-9)		--
	-located at the top of the oven and accessible to test probe 41 of IEC 61032;		N/A
	-located elsewhere in the oven and accessible to test probe B of IEC 61032.		N/A
	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 \pm 0,05 J. (IEC 60335-2-9).		N/A
21.2	Accessible parts of solid insulation having strength to prevent penetration by sharp implements		P
	Test not applicable if the thickness of supplementary insulation is at least 1 mm and reinforced insulation at least 2 mm		P
	The insulation is tested as specified, and does withstand the electric strength test of 16.3		N/A
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).		N/A
	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 kg \pm 0,01 kg. (IEC 60335-2-9)		N/A
	After the tests, surface of hotplate not broken).		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Withstand dielectric strength test of 16.3		N/A
22	CONSTRUCTION		--
22.1	Appliance marked with the first numeral of the IP system, relevant requirements of IEC 60529 are fulfilled		N/A
22.2	Stationary appliance: means to ensure all-pole disconnection from the supply being provided:		--
	- a supply cord fitted with a plug, or		N/A
	- a switch complying with 24.3, or		N/A
	- a statement in the instruction sheet that a disconnection incorporated in the fixed wiring is to be provided, or		N/A
	- an appliance inlet		N/A
	Single-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		N/A
22.3	Appliance provided with pins: no undue strain on socket-outlets		N/A
	Applied torque not exceeding 0.25 Nm		N/A
	Pull force of 50N to each pin after the appliance has been placed in the heating cabinet; when cooled to room temperature the pins are not displaced by more than 1mm		N/A
	Each pin subjected to a torque of 0.4Nm; the pins are not rotating, unless		N/A
	rotating does not impair compliance with this standard		N/A
22.4	Appliance for heating liquids and appliance causing undue vibration not provided with pins for insertion into socket-outlets		N/A
22.5	No risk of electric shock when touching pins, for appliances having a capacitor with rated capacitance equal to or greater than 0,1µF, the appliance being disconnected from the supply at the instant of voltage peak		P
	Voltage not exceeding 34 V (V)..... :	4V	P
	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		P
	The discharge test is then repeated three times, voltage not exceeding 34 V (V) :	4V	P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
22.6	Electrical insulation not affected by condensing water or leaking liquid		N/A
	Electrical insulation of Class II appliances not affected if a hose ruptures or seal leaks		N/A
	In case of doubt, test as described		N/A
22.7	Adequate safeguards against the risk of excessive pressure in appliances containing liquid or gases or having steam-producing devices		N/A
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		P
22.9	Insulation, internal wiring, windings, commutators and slip rings not exposed to oil, grease or similar substances, unless		P
	the substance has adequate insulating properties		N/A
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:		N/A
	- a non-self-resetting thermal cut-out is required by the standard, and		N/A
	- a voltage maintained non-self-resetting thermal cut-out is used to meet it		N/A
	Non-self-resetting thermal motor protectors have a trip-free action, unless		N/A
	they are voltage maintained		N/A
	Reset buttons of non-self-resetting controls so located or protected that accidental resetting is unlikely		N/A
22.11	Reliable fixing of non-detachable parts that provide the necessary degree of protection against electric shock, moisture or contact with moving parts		P
	Obvious locked position of snap-in devices used for fixing such parts		P
	No deterioration of the fixing properties of snap-in devices used in parts that are likely to be removed during installation or servicing		P
	Tests as described	pull=push=50 N to all parts	P
22.12	Handles, knobs etc. fixed in a reliable manner, if loosening result in a hazard		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Removing or fixing in wrong position of handles, knobs etc. indicating position of switches or similar components not possible, if resulting in a hazard		P
	A choking hazard does not apply to appliances for commercial use		N/A
	Axial force 15 N applied to parts, the shape being so that an axial pull is unlikely to be applied		N/A
	Axial force 30 N applied to parts, the shape being so that an axial pull is likely to be applied		P
	If the part is removed and can be contained within the small parts cylinder, it is considered to be a choking hazard		P
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		P
22.14	No ragged or sharp edges creating a hazard for the user in normal use, or during user maintenance		P
	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		P
22.15	Storage hooks and the like for flexible cords smooth and well rounded		N/A
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		N/A
	Cord reel tested with 6000 operations, as specified		N/A
	Electric strength test of 16.3, voltage of 1000 V applied		N/A
22.17	Spacers not removable from the outside by hand or by means of a screwdriver or a spanner		P
22.18	Current-carrying parts and other metal parts resistant to corrosion		P
22.19	Driving belts not relied upon to provide the required level of insulation, unless		N/A
	constructed to prevent inappropriate replacement		N/A
22.20	Direct contact between live parts and thermal insulation effectively prevented, unless		P
	material used is non-corrosive, non-hygroscopic and non-combustible		N/A
22.21	Wood, cotton, silk, ordinary paper and fibrous or hygroscopic material not used as insulation, unless		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	impregnated		N/A
	This requirement does not apply to magnesium oxide and mineral ceramic fibres used for the electrical insulation of heating elements		P
22.22	Appliances not containing asbestos		P
22.23	Oils containing polychlorinated biphenyl (PCB) not used		P
22.24	Bare heating elements, except in class III appliances or class III constructions that do not contain live parts, adequately supported		N/A
	Heating elements constructed or supported so they are unlikely to become displaced in normal use. (IEC 60335-2-9)		P
	In case of rupture, the heating conductor is unlikely to come in contact with accessible metal parts		N/A
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		N/A
22.26	For class III constructions the insulation between parts operating at safety extra-low voltage and other live parts complies with the requirements for double or reinforced insulation		N/A
22.27	Parts connected by protective impedance separated by double or reinforced insulation		N/A
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		N/A
22.29	Class II appliances permanently connected to fixed wiring so constructed that the required degree of access to live parts is maintained after installation		N/A
22.30	Parts serving as supplementary or reinforced insulation fixed so that they cannot be removed without being seriously damaged, or		P
	so constructed that they cannot be replaced in an incorrect position, and so that if they are omitted, the appliance is rendered inoperable or manifestly incomplete		P
22.31	Neither clearances nor creepage distances over supplementary and reinforced insulation reduced below values specified in clause 29 as a result of wear		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Neither clearances nor creepage distances between live parts and accessible parts reduced below values for supplementary insulation if wires, screws etc. become loose		P
22.32	Supplementary and reinforced insulation constructed or protected against pollution so that clearances or creepage distances are not reduced below the values in clause 29		P
	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		N/A
	Ceramic material not tightly sintered, similar materials or beads alone not used as supplementary or reinforced insulation		N/A
	Insulating Ceramic and similar porous material in which heating conductors are embedded is considered to be basic insulation, not reinforced insulation		N/A
	Oxygen bomb test at 70 °C for 96 h and 16 h at room temperature		N/A
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		N/A
	unearthed metal parts separated from live parts by basic insulation only		N/A
	Electrodes not used for heating liquids		N/A
	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		N/A
	the reinforced insulation consists of at least 3 layers		N/A
	For class II constructions, conductive liquids which are in contact with live parts, not in direct contact with reinforced insulation, unless		N/A
	the reinforced insulation consists of at least 3 layers		N/A
	An air layer not used as basic or supplementary insulation in a double insulation system if likely to be bridged by leaking liquid		N/A
22.34	Shafts of operating knobs, handles, levers etc. not live, unless		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	the shaft is not accessible when the part is removed		N/A
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		P
	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		N/A
	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		N/A
	Insulating material covering metal handles, levers and knobs withstand the electric strength test of 16.3 for supplementary insulation		N/A
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		N/A
	they are separated from live parts by double or reinforced insulation		N/A
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		N/A
	the capacitors comply with 22.42		N/A
22.38	Capacitors not connected between the contacts of a thermal cut-out		P
22.39	Lamp holders used only for the connection of lamps		N/A
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		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	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		N/A
22.41	No components, other than lamps, containing mercury		P
22.42	Protective impedance consisting of at least two separate components		N/A
	Values specified in 8.1.4 not exceeded if any one of the components are short-circuited or open-circuited		N/A
	Resistors checked by the test of 14.1 a) in IEC 60065		N/A
	Capacitors checked by the tests for class Y capacitors in IEC 60384-14		N/A
22.43	Appliances adjustable for different voltages, accidental changing of the setting of the voltage unlikely to occur		N/A
22.44	Appliances not having an enclosure that is shaped or decorated like a toy		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		P
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		N/A
	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		N/A
	These requirements are not applicable to software used for functional purpose or compliance with clause 11		N/A
22.47	Appliances connected to the water mains withstand the water pressure expected in normal use		N/A
	No leakage from any part, including any inlet water hose		N/A
22.48	Appliances connected to the water mains constructed to prevent backsiphonage of non-potable water		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
22.49	For remote operation, the duration of operation is to be set before the appliance can be started, unless		N/A
	the appliance switches off automatically or can operate continuously without hazard		N/A
22.50	Controls incorporated in the appliance take priority over controls actuated by remote operation		N/A
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		N/A
	There is a visual indication showing that the appliance is adjusted for remote operation		N/A
	These requirements not necessary on appliances that can operate as follows, without giving rise to a hazard:		--
	- continuously, or		N/A
	- automatically, or		N/A
	- remotely		N/A
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		N/A
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		N/A
22.54	Button cells and batteries designated R1 not accessible without the aid of a tool, unless		N/A
	the cover of their compartment can only be opened after at least two independent movements have been applied simultaneously		N/A
22.55	Devices operated to stop the intended function of the appliance, if any, are to be distinguished from other manual devices by means of shape, size, surface texture or position		P
	The requirement concerning position does not preclude use of a push on push off switch		N/A
	An indication when the device has been operated is given by:		--
	– tactile feedback from the actuator or from the appliance, or		N/A
	– reduction in heat output; or		N/A
	– audible and visible feedback		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
22.56	Detachable power supply part provided with the part of class III construction		N/A
22.57	The properties of non-metallic materials do not degrade from exposure to UV-C radiation, as specified in Annex T		N/A
	This requirement does not apply to glass, ceramics or similar materials		N/A
22.101	Radiant grills: no timer that is intended to delay the operation of a heating element, (IEC 60335-2-9)		N/A
	Unless having a thermostat and being incorporated in an oven or other compartment, (IEC 60335-2-9)		N/A
	Hotplates shall not incorporate a timer that is intended to delay the operation of a heating element. (IEC 60335-2-9)		N/A
22.102	Barbecue shall not be provided with bare heating elements (IEC 60335-2-9)		N/A
	Oven: heating elements with bare conductors at the top only (IEC 60335-2-9)		N/A
22.103	Oven vents constructed so that moisture or grease cannot reduce the clearances and creepage distances. (IEC 60335-2-9)		P
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)		P
22.105	Appliances have not openings on the underside that would allow small items to penetrate and touch live parts. (IEC 60335-2-9)		P
	Distance measured between the supporting surface and live parts through openings (IEC 60335-2-9)		P
	Distance requested as specified:(IEC 60335-2-9)	Measured distance>10mm	P
22.106	Grills and barbecues constructed so that their heating elements are fixed in position or prevented from operating when they are not in their normal position of use..... (IEC 60335-2-9)		N/A
22.107	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)		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
22.108	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)		N/A
22.109	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)		N/A
22.110	Induction hotplates constructed so that they can only be operated with a suitable vessel placed on the cooking zone.....(IEC 60335-2-9)		N/A
	Temperature rise of iron not exceeding 35K.....(IEC 60335-2-9)		N/A
22.111	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)		N/A
22.112	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)		N/A
	All batteries are removed and the breadmaker is supplied at rated voltage and operated in heating mode without load.....(IEC 60335-2-9)		N/A
	The appliance shall eventually require a manual operation to restart it.....(IEC 60335-2-9)		N/A
22.113	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. (IEC 60335-2-9)		N/A
22.114	Heating elements in candy floss appliances shall be located so that they are not exposed to sugar during normal use of the appliance. (IEC 60335-2-9)		N/A
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)		N/A
23	INTERNAL WIRING		--
23.1	Wireways smooth and free from sharp edges		P
	Wires protected against contact with burrs, cooling fins etc.		P
	Wire holes in metal well-rounded or provided with bushings		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Wiring effectively prevented from coming into contact with moving parts		P
23.2	Beads etc. on live wires cannot change their position, and are not resting on sharp edges		N/A
	Beads inside flexible metal conduits contained within an insulating sleeve		N/A
23.3	Electrical connections and internal conductors movable relatively to each other not exposed to undue stress		N/A
	Flexible metallic tubes not causing damage to insulation of conductors		N/A
	Open-coil springs not used		N/A
	Adequate insulating lining provided inside a coiled spring, the turns of which touch one another		N/A
	No damage after 10 000 flexings for conductors flexed during normal use, or		N/A
	100 flexings for conductors flexed during user maintenance		N/A
	Electric strength test of 16.3, 1000 V between live parts and accessible metal parts		N/A
	Not more than 10% of the strands of any conductor broken, and		N/A
	not more than 30% for wiring supplying circuits that consume no more than 15W		N/A
	Appliance with 2 stop positions: 10000 flexings made with moving part fully opened (IEC 60335-2-9)		N/A
23.4	Bare internal wiring sufficiently rigid and fixed		N/A
23.5	The insulation of internal wiring subjected to the supply mains voltage withstanding the electrical stress likely to occur in normal use		P
	Basic insulation electrically equivalent to the basic insulation of cords complying with IEC 60227 or IEC 60245, or		N/A
	no breakdown when a voltage of 2000 V is applied for 15 min between the conductor and metal foil wrapped around the insulation		P
	For class II construction, the requirements for supplementary insulation and reinforced insulation apply,		P
	except that the sheath of a cord complying with IEC 60227 or IEC 60245 may provide supplementary insulation.		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	A single layer of internal wiring insulation does not provide reinforced insulation		P
23.6	Sleeving used as supplementary insulation on internal wiring retained in position by clamping at both ends, or		P
	be such that it can only be removed by breaking or cutting		N/A
23.7	The colour combination green/yellow only used for earthing conductors		P
23.8	Aluminium wires not used for internal wiring		P
23.9	Stranded conductors not consolidated by soldering where they are subjected to contact pressure, unless		P
	the contact pressure is provided by spring terminals		N/A
23.10	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)		N/A
24	COMPONENTS		--
24.1	Components comply with safety requirements in relevant IEC standards		P
	List of components :	(see appended table)	P
	Motors not required to comply with IEC 60034-1, they are tested as part of the appliance		P
	Relays tested as part of the appliance, or		P
	alternatively acc. to IEC 60730-1, and meeting the additional requirements in IEC 60335-1		N/A
	The requirements of Clause 29 apply between live parts of components and accessible parts of the appliance		P
	Components can comply with the requirements for clearances and creepage distances for functional insulation in the relevant component standard		P
	30.2 of this standard apply to parts of non-metallic material in components including parts of non-metallic material supporting current-carrying connections		P
	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		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	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		P
	If these conditions are not satisfied, the component is tested as part of the appliance.		P
	Power electronic converter circuits not required to comply with IEC 62477-1, they are tested as part of the appliance		N/A
	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		P
	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		P
	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		P
	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 standard		N/A
	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		N/A
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		P
	If the capacitors have to be tested, they are tested according to Annex F		N/A
24.1.2	Transformers in associated switch mode power supplies comply with Annex BB of IEC 61558-2-16		N/A
	Safety isolating transformers complying with IEC 61558-2-6		N/A
	If they have to be tested, they are tested according to Annex G		N/A
24.1.3	Switches complying with IEC 61058-1, the number of cycles of operation being at least 10 000	Interlock switch	P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	If they have to be tested, they are tested according to Annex H		N/A
	If the switch operates a relay or contactor, the complete switching system is subjected to the test		N/A
	If the switch only operates a motor starting 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		N/A
	Switches controlling heating elements of hotplates subjected to 30 000 cycles of operation (IEC 60335-2-9)		N/A
	Switches controlling heating elements of toaster subjected to 50000 cycles of operation (IEC 60335-2-9)		N/A
24.1.4	Automatic controls complying with IEC 60730-1 with the relevant part 2. The number of cycles of operation being at least:		--
	- thermostats: 10 000		N/A
	- temperature limiters: 1 000		N/A
	- self-resetting thermal cut-outs: 300		N/A
	- voltage maintained non-self-resetting thermal cut-outs: 1 000		N/A
	- other non-self-resetting thermal cut-outs: 30		N/A
	- timers: 3 000		N/A
	- energy regulators for automatic action (IEC 60335-2-9): 100 000		N/A
	- energy regulators for manual action (IEC 60335-2-9): 10 000		N/A
	Self-resetting thermal cut-outs for heating elements of glass-ceramic hotplates (IEC 60335-2-9) 100 000		N/A
	Self-resetting thermal cut-outs for other hotplates (IEC 60335-2-9) 10 000		N/A
	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		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Thermal motor protectors are tested in combination with their motor under the conditions specified in Annex D		N/A
	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		N/A
	Thermal cut-outs of the capillary type comply with the requirements for type 2.K controls in IEC 60730-2-9		N/A
24.1.5	Appliance couplers complying with IEC 60320-1		N/A
	However, for class II appliances classified higher than IPX0, the appliance couplers complying with IEC 60320-2-3		N/A
	Interconnection couplers complying with IEC 60320-2-2		N/A
	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)		N/A
	Not applicable to conditions as specified (IEC 60335-2-9)		N/A
24.1.6	Small lamp holders similar to E10 lampholders complying with IEC 60238, the requirements for E10 lampholders being applicable		N/A
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		N/A
24.1.8	The relevant standard for thermal links is IEC 60691		P
	Thermal links not complying with IEC 60691 are considered to be an intentionally weak part for the purposes of Clause 19		N/A
24.1.9	Contactors and relays, other than motor starting relays, tested as part of the appliance	Relay	P
	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..... :		P
24.2	Appliances not fitted with:		--
	- switches, automatic controls or power supplies in flexible cords		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	- devices causing the protective device in the fixed wiring to operate in the event of a fault in the appliance		P
	- thermal cut-outs that can be reset by soldering, unless		P
	the solder has a melting point of at least 230 °C		N/A
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		N/A
24.4	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		N/A
24.5	Capacitors in auxiliary windings of motors marked with their rated voltage and capacitance, and used accordingly		N/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		N/A
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		P
	In addition, the motors comply with the requirements of Annex I		N/A
24.7	Detachable hose-sets for connection of appliances to the water mains comply with IEC 61770		N/A
	They are supplied with the appliance		N/A
	Appliances intended to be permanently connected to the water mains not connected by a detachable hose-set		N/A
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		N/A
	One or more of the following conditions are to be met:		--
	- the capacitors are of class S2 or S3 according to IEC 60252-1		N/A
	- the capacitors are housed within a metallic or ceramic enclosure		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- the distance of separation of the outer surface to adjacent non-metallic parts exceeds 50 mm		N/A
	- adjacent non-metallic parts within 50 mm withstand the needle-flame test of Annex E		N/A
	- adjacent non-metallic parts within 50 mm classified as at least V-1 according to IEC 60695-11-10		N/A
24.101	Thermostats and energy regulators incorporating an off position: off position maintained under test conditions (IEC 60335-2-9)		N/A
	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)		N/A
24.102	Thermal cut-outs incorporated in food dehydrators in order to comply with 19.4 are non-self-resetting (IEC 60335-2-9)		N/A
25	SUPPLY CONNECTION AND EXTERNAL FLEXIBLE CORDS		--
25.1	Appliance not intended for permanent connection to fixed wiring, means for connection to the supply:		--
	- 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		P
	- an appliance inlet having at least the same degree of protection against moisture as required for the appliance, or		N/A
	- pins for insertion into socket-outlets		N/A
	Appliances incorporating an appliance inlet other than those standardized in IEC 60320-1, shall be supplied with a cord set (IEC 60335-2-9)		N/A
25.2	Appliance not provided with more than one means of connection to the supply mains		P
	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		N/A
25.3	Appliance intended to be permanently connected to fixed wiring provided with one of the following means for connection to the supply mains:		--

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	- a set of terminals allowing the connection of a flexible cord		N/A
	- a fitted supply cord		N/A
	- a set of supply leads accommodated in a suitable compartment		N/A
	- 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		N/A
	- 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		N/A
	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		N/A
25.4	Cable and conduit entries, rated current of appliance not exceeding 16 A, dimension according to table 10 (mm)		N/A
	Introduction of conduit or cable does not reduce clearances or creepage distances below values specified in clause 29		N/A
25.5	Method for assembling the supply cord to the appliance:		
	- type X attachment		N/A
	- type Y attachment		P
	- type Z attachment, if allowed in relevant part 2		N/A
	Type X attachment, other than those with a specially prepared cord, not used for flat twin tinsel cords		N/A
	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		N/A
25.6	Plugs fitted with only one flexible cord		P
25.7	Supply cords, other than for class III appliances, being one of the following types:		--
	- rubber sheathed (at least 60245 IEC 53)	H05RR-F	P
	- polychloroprene sheathed (at least 60245 IEC 57)	H05RN-F, H07RN-F	P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	- polyvinyl chloride sheathed. Not used if they are likely to touch metal parts having a temperature rise exceeding 75 K during the test of clause 11		--
	<ul style="list-style-type: none"> light polyvinyl chloride sheathed cord (60227 IEC 52), for appliances not exceeding 3 kg 		N/A
	<ul style="list-style-type: none"> ordinary polyvinyl chloride sheathed cord (60227 IEC 53), for other appliances 	H05VV-F	P
	- heat resistant polyvinyl chloride sheathed. Not used for type X attachment other than specially prepared cords		--
	<ul style="list-style-type: none"> heat-resistant light polyvinyl chloride sheathed cord (60227 IEC 56), for appliances not exceeding 3 kg 		N/A
	<ul style="list-style-type: none"> heat-resistant polyvinyl chloride sheathed cord (60227 IEC 57), for other appliances 		N/A
	- halogen-free, low smoke, thermoplastic insulated and sheathed		--
	<ul style="list-style-type: none"> light duty halogen-free low smoke flexible cable (62821 IEC 101) for circular cable and (62821 IEC 101f) for flat cable 		N/A
	<ul style="list-style-type: none"> Ordinary duty halogen-free low smoke flexible cable (62821 IEC 102) for circular cable and (62821 IEC 102f) for flat cable 		N/A
	Supply cords for class III appliances adequately insulated		N/A
	Test with 500 V for 2 min for supply cords of class III appliances that contain live parts		N/A
	-supply cord of appliances intended for outdoor use shall be polychloroprene sheathed (IEC 60335-2-9)		N/A
25.8	Nominal cross-sectional area of supply cords not less than table 11; rated current (A); cross-sectional area (mm ²)..... :	Rated 9,98A, 3G0,75 mm ² (length≤2 m) or 3G1,0 mm ²	P
25.9	Supply cords not in contact with sharp points or edges		P
25.10	Supply cord of class I appliances have a green/yellow core for earthing		P
	In multi-phase appliances, the colour of the neutral conductor of the supply cord is blue.		N/A
	Where additional neutral conductors are provided in the supply cord:		--
	– other colours may be used for these additional neutral conductors;		N/A
	– all of the neutral conductors and line conductors are identified by marking using the alpha numeric notation specified in IEC 60445		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	– the supply cord is fitted to the appliance		N/A
25.11	Conductors of supply cords not consolidated by soldering where they are subject to contact pressure, unless		P
	the contact pressure is provided by spring terminals		N/A
25.12	Insulation of the supply cord not damaged when moulding the cord to part of the enclosure		P
25.13	Inlet openings so constructed as to prevent damage to the supply cord		P
	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		N/A
	If unsheathed supply cord, a similar additional bushing or lining is required, unless the appliance is		N/A
	class 0, or		N/A
	a class III appliance not containing live parts		N/A
25.14	Supply cords moved while in operation adequately protected against excessive flexing		N/A
	Flexing test, as described:		--
	- applied force (N)..... :		N/A
	- number of flexings :		N/A
	The test does not result in:		--
	- short-circuit between the conductors, such that the current exceeds a value of twice the rated current		N/A
	- breakage of more than 10% of the strands of any conductor		N/A
	- separation of the conductor from its terminal		N/A
	- loosening of any cord guard		N/A
	- damage to the cord or the cord guard		N/A
	- broken strands piercing the insulation and becoming accessible		N/A
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		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	The cord cannot be pushed into the appliance to such an extent that the cord or internal parts of the appliance can be damaged		P
	Pull and torque test of supply cord:		--
	- fixed appliances: pull 100 N; torque (not on automatic cord reel) (Nm)		N/A
	- other appliances: values shown in table 12: mass (kg); pull (N); torque (not on automatic cord reel) (Nm)	Mass, >4kg: 100N, 0,35Nm;	P
	Pull and torque test of supply cord, values shown in table 12: mass (kg); pull (N); torque (not on automatic cord reel) (Nm)	Mass, >4kg: 100N, 0,35Nm;	P
	Cord not damaged and max. 2 mm displacement of the cord	0,9mm	P
25.16	Cord anchorages for type X attachments constructed and located so that:		--
	- replacement of the cord is easily possible		N/A
	- it is clear how the relief from strain and the prevention of twisting are obtained		N/A
	- they are suitable for different types of supply cord		N/A
	- cord cannot touch the clamping screws of cord anchorage if these screws are accessible, unless		N/A
	they are separated from accessible metal parts by supplementary insulation		N/A
	- the cord is not clamped by a metal screw which bears directly on the cord		N/A
	- at least one part of the cord anchorage securely fixed to the appliance, unless		N/A
	it is part of a specially prepared cord		N/A
	- screws which have to be operated when replacing the cord do not fix any other component, unless		N/A
	the appliance becomes inoperative or incomplete or the parts cannot be removed without a tool		N/A
	- if labyrinths can be bypassed the test of 25.15 is nevertheless withstood		N/A
	- for class 0, 0I and I appliances they are of insulating material or are provided with an insulating lining, unless		N/A
	failure of the insulation of the cord does not make accessible metal parts live		N/A
	- for class II appliances they are of insulating material, or		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	if of metal, they are insulated from accessible metal parts by supplementary insulation		N/A
	After the test of 25.15, under the conditions specified, the conductors have not moved by more than 1 mm in the terminals		N/A
25.17	Adequate cord anchorages for type Y and Z attachment, test with the cord supplied with the appliance		P
25.18	Cord anchorages only accessible with the aid of a tool, or		P
	Constructed so that the cord can only be fitted with the aid of a tool		N/A
25.19	Type X attachment, glands not used as cord anchorage in portable appliances		N/A
	Tying the cord into a knot or tying the cord with string not used		N/A
25.20	The conductors of the supply cord for type Y and Z attachment-insulated from accessible metal parts		P
25.21	Space for supply cord for type X attachment or for connection of fixed wiring constructed:		--
	- to permit checking of conductors with respect to correct positioning and connection before fitting any cover		N/A
	- so there is no risk of damage to the conductors or their insulation when fitting the cover		N/A
	- 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		N/A
	2 N test to the conductor for portable appliances; no contact with accessible metal parts		N/A
25.22	Appliance inlets:		--
	- live parts not accessible during insertion or removal		N/A
	Requirement not applicable to appliance inlets complying with IEC 60320-1		N/A
	- connector can be inserted without difficulty		N/A
	- the appliance is not supported by the connector		N/A
	- not for cold conditions if temp. rise of external metal parts exceeds 75 K during clause 11, unless		N/A
	the supply cord is unlikely to touch such metal parts		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
25.23	Interconnection cords comply with the requirements for the supply cord, except that:		N/A
	- the cross-sectional area of the conductors is determined on the basis of the maximum current during clause 11		N/A
	- the thickness of the insulation may be reduced		N/A
	- for class I or class II appliance with class III construction, the cross sectional areas of the conductors need not comply with 25.8 if specified conditions are met		N/A
	If necessary, electric strength test of 16.3		N/A
25.24	Interconnection cords not detachable without the aid of a tool if compliance with this standard is impaired when they are disconnected		N/A
25.25	Dimensions of pins that are inserted into socket-outlets compatible with the dimensions of the relevant socket-outlet.		N/A
	Dimensions of pins and engagement face in accordance with the dimensions of the relevant plug in IEC/TR 60083		N/A
26	TERMINALS FOR EXTERNAL CONDUCTORS		--
26.1	Appliances provided with terminals or equally effective devices for connection of external conductors		P
	Terminals only accessible after removal of a non-detachable cover, except		P
	for class III appliances that do not contain live parts		N/A
	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		P
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		N/A
	the connections are soldered		N/A
	Screws and nuts not used to fix any other component, except		N/A
	internal conductors, if so arranged that they are unlikely to be displaced when fitting the supply conductors		N/A
	If soldered connections used, the conductor so positioned or fixed that reliance is not placed on soldering alone, unless		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	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		N/A
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		N/A
	Terminals fixed so that when the clamping means is tightened or loosened:		--
	- the terminal does not become loose		N/A
	- internal wiring is not subjected to stress		N/A
	- neither clearances nor creepage distances are reduced below the values in clause 29		N/A
	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)		N/A
	No deep or sharp indentations of the conductors		N/A
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		N/A
	so constructed or placed that conductors prevented from slipping out when clamping screws or nuts are tightened		N/A
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		N/A
	Stranded conductor test, 8 mm insulation removed		N/A
	No contact between live parts and accessible metal parts and,		N/A
	for class II constructions, between live parts and metal parts separated from accessible metal parts by supplementary insulation only		N/A
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 (mm ²)		N/A
	If a specially prepared cord is used, terminals need only be suitable for that cord		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
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		N/A
26.8	Terminals for the connection of fixed wiring, including the earthing terminal, located close to each other		N/A
26.9	Terminals of the pillar type constructed and located as specified		N/A
26.10	Terminals with screw clamping and screwless terminals not used for flat twin tinsel cords, unless		P
	conductors ends fitted with means suitable for screw terminals		N/A
	Pull test of 5 N to the connection		P
26.11	For type Y and Z attachment, soldered, welded, crimped or similar connections may be used	Wire connector	P
	For Class II appliances, the conductor so positioned or fixed that reliance is not placed on soldering, welding or crimping alone		N/A
	If soldering, welding or crimping alone used, barriers provided so that clearances and creepage distances between live parts and other metal parts are not reduced below the values for supplementary insulation if the conductor becomes free		N/A
27	PROVISION FOR EARTHING		--
27.1	Accessible metal parts of Class 0I and I appliances permanently and reliably connected to an earthing terminal or earthing contact of the appliance inlet		P
	Earthing terminals and earthing contacts not connected to the neutral terminal		P
	Class 0, II and III appliances have no provision for protective earthing		N/A
	Class II appliances and class III appliances can incorporate an earth for functional purposes		N/A
	Safety extra-low voltage circuits not earthed, unless		N/A
	protective extra-low voltage circuits		N/A
	No earthing via flexible metal tubes, coiled springs and cord anchorage (IEC 60335-2-9)		P
27.2	Clamping means of earthing terminals adequately secured against accidental loosening		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Terminals for the connection of external equipotential bonding conductors allow connection of conductors of 2.5 to 6 mm ² , and		N/A
	do not provide earthing continuity between different parts of the appliance, and		P
	conductors cannot be loosened without the aid of a tool		P
	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes		N/A
27.3	For a detachable part having an earth connection and being plugged into another part of the appliance, the earth connection is made before and separated after current-carrying connections when removing the part		N/A
	For appliances with supply cords, current-carrying conductors become taut before earthing conductor, if the cord slips out of the cord anchorage		P
	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes		N/A
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		P
	Parts providing earthing continuity, other than parts of a metal frame or enclosure, have adequate resistance to corrosion		P
	If of steel, these parts provided with an electroplated coating with a thickness at least 5 µm		P
	Adequate protection against rusting of parts of coated or uncoated steel, only intended to provide or transmit contact pressure		P
	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		P
	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes		N/A
27.5	Low resistance of connection between earthing terminal and earthed metal parts		P
	This requirement does not apply to connections providing earthing continuity in the protective extra-low voltage circuit, provided the clearances of basic insulation are based on the rated voltage of the appliance		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes		N/A
	Resistance not exceeding 0,1 Ω at the specified low-resistance test (Ω)	0,032 Ω	P
27.6	The printed conductors of printed circuit boards not used to provide earthing continuity in hand-held appliances.		N/A
	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		N/A
	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes		N/A
28	SCREWS AND CONNECTIONS		--
28.1	Fixings, electrical connections and connections providing earthing continuity withstand mechanical stresses		P
	Screws not of soft metal liable to creep, such as zinc or aluminium		P
	Diameter of screws of insulating material min. 3 mm		N/A
	Screws of insulating material not used for any electrical connections or connections providing earthing continuity		N/A
	Screws used for electrical connections or connections providing earthing continuity screwed into metal		P
	Screws not of insulating material if their replacement by a metal screw can impair supplementary or reinforced insulation		N/A
	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		N/A
	For screws and nuts; torque-test as specified in table 14	(see appended table)	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		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	there is resiliency in the metallic parts to compensate for shrinkage or distortion of the insulating material		N/A
	This requirement does not apply to electrical connections in circuits of appliances for which:		--
	<ul style="list-style-type: none"> 30.2.2 is applicable and that carry a current not exceeding 0,5 A 		N/A
	<ul style="list-style-type: none"> 30.2.3 is applicable and that carry a current not exceeding 0,2 A 		N/A
28.3	Space-threaded (sheet metal) screws only used for electrical connections if they clamp the parts together		N/A
	Thread-cutting (self-tapping) screws and thread rolling screws only used for electrical connections if they generate a full form standard machine screw thread		N/A
	Thread-cutting (self-tapping) screws not used if they are likely to be operated by the user or installer		N/A
	Thread-cutting, thread rolling and space threaded screws may be used in connections providing earthing continuity provided it is not necessary to disturb the connection:		--
	- in normal use,		N/A
	- during user maintenance,		N/A
	- when replacing a supply cord having a type X attachment, or		N/A
	- during installation		N/A
	At least two screws being used for each connection providing earthing continuity, unless		N/A
	the screw forms a thread having a length of at least half the diameter of the screw		N/A
28.4	Screws and nuts that make mechanical connection secured against loosening if they also make electrical connections or connections providing earthing continuity		P
	This requirement does not apply to screws in the earthing circuit if at least two screws are used, or		N/A
	if an alternative earthing circuit is provided		N/A
	Rivets for electrical connections or connections providing earthing continuity secured against loosening if the connections are subjected to torsion		N/A
29	CLEARANCES, CREEPAGE DISTANCES AND SOLID INSULATION		--

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Clearances, creepage distances and solid insulation withstand electrical stress		P
	For coatings used on printed circuits boards to protect the microenvironment (Type 1) or to provide basic insulation (Type 2), Annex J applies:		N/A
	The microenvironment is pollution degree 1 under type 1 protection		N/A
	For type 2 protection, the spacing between the conductors before the protection is applied is not less than the values specified in Table 1 of IEC 60664-3		N/A
	These values apply to functional, basic, supplementary and reinforced insulation		N/A
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)	P
	for basic insulation and functional insulation they comply with the impulse voltage test of clause 14		N/A
	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		P
	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		N/A
	Impulse voltage test is not applicable:		--
	- when the microenvironment is pollution degree 3, or		P
	- for basic insulation of class 0 and class 01 appliances		N/A
	- to appliances intended for use at altitudes exceeding 2 000 m		N/A
	Appliances are in overvoltage category II		P
	A force of 2 N is applied to bare conductors, other than heating elements		P
	A force of 30 N is applied to accessible surfaces		P
29.1.1	Clearances of basic insulation withstand the overvoltages, taking into account the rated impulse voltage		P
	The values of table 16 or the impulse voltage test of clause 14 are applicable	(see appended table)	P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Clearance at the terminals of tubular sheathed heating elements may be reduced to 1,0 mm if the microenvironment is pollution degree 1		P
	Lacquered conductors of windings considered to be bare conductors		P
29.1.2	Clearances of supplementary insulation not less than those specified for basic insulation in table 16 :	(see appended table)	P
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)	P
	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		P
29.1.4	Clearances for functional insulation are the largest values determined from:		--
	- table 16 based on the rated impulse voltage :	(see appended table)	P
	- table F.7a in IEC 60664-1, frequency not exceeding 30 kHz		N/A
	- clause 4 of IEC 60664-4, frequency exceeding 30 kHz		N/A
	If values of table 16 are largest, the impulse voltage test of clause 14 may be applied instead, unless		N/A
	the microenvironment is pollution degree 3, or		P
	the distances can be affected by wear, distortion, movement of the parts or during assembly		N/A
	However, clearances are not specified if the appliance complies with clause 19 with the functional insulation short-circuited		P
	Lacquered conductors of windings considered to be bare conductors		P
	However, clearances at crossover points are not measured		P
	Clearance between surfaces of PTC heating elements may be reduced to 1mm		N/A
29.1.5	Appliances having higher working voltages than rated voltage, clearances for basic insulation are the largest values determined from:		--
	- table 16 based on the rated impulse voltage :		N/A
	- table F.7a in IEC 60664-1, frequency not exceeding 30 kHz		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	- clause 4 of IEC 60664-4, frequency exceeding 30 kHz		N/A
	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 basic insulation		N/A
	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		N/A
	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		N/A
	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		N/A
	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		N/A
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
	Pollution degree 2 applies, unless		N/A
	- precautions taken to protect the insulation; pollution degree 1	The end of heating element	P
	- insulation subjected to conductive pollution; pollution degree 3	Except the end of heating element	P
	A force of 2 N is applied to bare conductors, other than heating elements		P
	A force of 30 N is applied to accessible surfaces		P
	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		P

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	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)		P
29.2.1	Creepage distances of basic insulation not less than specified in table 17	(see appended table)	P
	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.....		N/A
	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.....		N/A
29.2.2	Creepage distances of supplementary insulation at least those specified for basic insulation in table 17, or.....	(see appended table)	P
	Table 2 of IEC 60664-4, as applicable.....		N/A
29.2.3	Creepage distances of reinforced insulation at least double those specified for basic insulation in table 17, or.....	(see appended table)	P
	Table 2 of IEC 60664-4, as applicable.....		N/A
29.2.4	Creepage distances of functional insulation not less than specified in table 18	(see appended table)	P
	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.....		N/A
	Creepage distances may be reduced if the appliance complies with clause 19 with the functional insulation short-circuited		P
29.3	Supplementary and reinforced insulation have adequate thickness, or a sufficient number of layers, to withstand the electrical stresses		P
	Compliance checked:		--
	- by measurement, in accordance with 29.3.1, or		P
	- by an electric strength test in accordance with 29.3.2, or		N/A
	- 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		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	for accessible parts of reinforced insulation consisting of a single layer, by measurement in accordance with 29.3.4, or		N/A
	- 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		N/A
	- 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		N/A
	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)		N/A
29.3.1	Supplementary insulation have a thickness of at least 1 mm		P
	Reinforced insulation have a thickness of at least 2 mm		P
29.3.2	Each layer of material withstand the electric strength test of 16.3 for supplementary insulation		N/A
	Supplementary insulation consist of at least 2 layers		N/A
	Reinforced insulation consist of at least 3 layers		N/A
29.3.3	The insulation is subjected to the dry heat test Bb of IEC 60068-2-2, followed by		N/A
	the electric strength test of 16.3		N/A
	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		N/A
29.3.4	Thickness of accessible parts of reinforced insulation consisting of a single layer not less than specified in table 19		N/A

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

10.1	TABLE: Power input deviation					P
Input deviation of/at:	P rated (W)	P measured (W)	dP (W, %)	Required dP (W, %)	Remark	
CY-10001-E with new PCB 230 V, 50 Hz	2200	2145	-2,5%	+5%~-10%	P	
CY-10002-E 230 V, 50 Hz	2200	2156	-2,0%	+5%~-10%	P	
CY-10004-E 230 V, 50 Hz	2200	2148	-2,4%	+5%~-10%	P	
Supplementary information: 50-60Hz tested only the most unfavourable data recorded.						

10.2	TABLE: Current deviation					N/A
Current deviation of/at:	I rated (A)	I measured (A)	dI (A, %)	Required dI (A, %)	Remark	
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Supplementary information:						

11.8	TABLE: Heating test, thermocouple measurements (CY-10001-E with new PCB)			P
	Test voltage (V)	260,7V, 2756W		—
	Ambient (°C)	22		—
	Thermocouple locations	Max. temperature rise measured, dT (K)	Max. temperature rise limit, dT (K)	
	Supply cord insulation	34,7	50	
	Wire connector	37,8	Clause 30.1	
	Terminal cover	33,6	Clause 30.1	
	Plastic enclosure (inside part)	108,9	Clause 30.1	
	Plastic enclosure (inside)	52,4	Clause 30.1	
	Control panel	27,6	Clause 30.1	
	Air out-let plastic	76,9	Clause 30.1	
	Ambient of interlock switch	52,3	100(T125)	
	PCB	35,4	120	
	Ambient of X2 capacitor	31,7	75(T100)	
	Varistor	30,3	60(T85)	
	Ambient of relay	27,9	60(T85)	
	NTC lead wire	156,7	225(T250)	
	Internal wire for PCB	26,2	55(T80)	

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Other internal wire	52,3	155(T180)
	Fan Motor winding	83.4	140(Class 180)
	Motor bobbin	73,5	Clause 30.1
	Insulation of thermal link	72,6	175(T200)
	Control PCB	36,7	120
	Control panel surface	20,1	60
	Food container	162,5	For reference
	Handle (plastic)	36,8	60
	Handle(metal)	12,2	35
	Test corner	47,1	65
Supplementary information: only the most unfavourable data recorded.			

11.8	TABLE: Heating test, resistance method (CY-10001-E with new PCB)					P
	Test voltage (V)	260,7V, 2756W				—
	Ambient, t1 (°C)	22				—
	Ambient, t2 (°C)	22				—
	Temperature rise of winding	R1 (Ω)	R2 (Ω)	dT (K)	Max. dT (K)	Insulation class
	Fan Motor winding	207,2	278,9	88,8	140	Class 180
Remark:						

11.102, 11.z105	TABLE: Temperature rise limits for surfaces CY-10001-E					P
	Ambient (°C) :	22				22
	Test voltage (V) :	243,1				243,1
		dT (K)			Max. dT (K)	
	Bare metal	--			45	
	Coated metal	—			55	
	Glass and ceramic	—			60	
	Plastic and plastic coating > 0,3 mm	35,7			65	
Supplementary information: only the most unfavourable data recorded.						
test of EK1AG2 Rev 10 also performed						

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IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

11.102, 11.z105	TABLE: Temperature rise limits for surfaces CY-10002-E		P
	Ambient (°C) :		22
	Test voltage (V) :		242,4
		dT (K)	Max. dT (K)
Bare metal		31,4	45
Coated metal		—	55
Glass and ceramic		—	60
Plastic and plastic coating > 0,3 mm		43,1	65
Supplementary information: only the most unfavourable data recorded. test of EK1AG2 Rev 10 also performed			

11.102, 11.z105	TABLE: Temperature rise limits for surfaces CY-10004-E		P
	Ambient (°C) :		22
	Test voltage (V) :		242,9
		dT (K)	Max. dT (K)
Bare metal		15,2	45
Coated metal		—	55
Glass and ceramic		—	60
Plastic and plastic coating > 0,3 mm		39,7	65
Supplementary information: only the most unfavourable data recorded. test of EK1AG2 Rev 10 also performed			

13.2	TABLE: Leakage current		P
	Heating appliances: 1.15 x rated input (W)	2756W	—
	Motor-operated and combined appliances: 1.06 x rated voltage (V)	--	—
Leakage current between		I (mA)	Max. allowed I (mA)
L/N and Earthing metal		Max. 0,031	0,75
L/N -- Enclosure		Max. 0,011	0,35 peak
L/N – Handle		Max. 0,009	0,35 peak
Supplementary information:			

13.3	TABLE: Electric strength		P
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Clause	Requirement + Test	Result - Remark	Verdict

Test voltage applied between:	Voltage (V)	Breakdown (Yes/No)
L/N and Earthing metal	1000	No
Internal wire to enclosure	1750	No
L/N and Enclosure(Plastic)	3000	No
Supplementary information:		

16.2	TABLE: Leakage current		P
	Single phase appliances: 1.06 x rated voltage (V)	254,4V	—
	Three phase appliances 1.06 x rated voltage divided by $\sqrt{3}$ (V)	--	—
Leakage current between		I (mA)	Max. allowed I (mA)
Live parts and Earthing metal		Max. 0,040	0,75
L/N -- Enclosure		Max. 0,021	0,25
L/N – Handle		Max. 0,020	0,25
Supplementary information:			

16.3	TABLE: Electric strength		P
Test voltage applied between:		Voltage (V)	Breakdown (Yes/No)
Live parts and Earthing metal		1250	No
Internal wire to enclosure		1750	No
Live parts and Enclosure		3000	No
Supplementary information:			

24.1	TABLE: Critical components information				P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Power plug	Yuyao Chongyu Electric Co., Ltd.	CY-03	AC 250V, 16A	DIN VDE 0620-2-1:2016+A1:2023	VDE 40035562
Alternative	GUANGXI HAILING ELECTRIC APPLIANCE CO., LTD.	HL-02	AC 250V, 16A	DIN VDE 0620-2-1:2016+A1:2017	VDE 40054301
Alternative	Yuyao Senhao Cable Co., Ltd.	SH04	AC 250V, 16A	DIN VDE 0620-2-1:2016+A1:2017	VDE 40056475

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IEC 60335-2-9					
Clause	Requirement + Test			Result - Remark	Verdict
Alternative	Yuyao Shengshida Electronic Co., Ltd.	YD-03	AC 250V, 16A	DIN VDE 0620-2-1:2016+A1:2017	VDE 40035426
Alternative	Zhejiang Jinting Nuclear Cable Co., Ltd.	JT008	AC 250V, 16A	DIN VDE 0620-2-1:2016+A1:2017	VDE 40050831
Alternative	Cixi Yelei Electron Co., Ltd.	YL-03	AC 250V, 16A	DIN VDE 0620-2-1:2016+A1:2017	VDE 40052989
Alternative	Cixi Chengzhe wire and cable Co., Ltd	CZ-101	AC 250V, 16A	DIN VDE 0620-2-1:2016+A1:2023	VDE 40058941
Alternative	Ningbo Qiaopu Electric Co., Ltd.	D03	AC 250V, 16A	DIN VDE 0620-2-1:2016+A1:2023	TUV R 50286272
BS Plug not for GS	Ningbo Qiaopu Electric Co., Ltd	D09	AC 250V, 13A	BS 1363-1:2016 +A1:2018	ASTA 930
Alternative not for GS	Yuyao Haolin Electric Co., Ltd	HL7-1	AC 250V, 13A	BS 1363-1: 2016 +A1: 2018	ASTA 1254
Alternative not for GS	Cixi Yelei Electron Co., Ltd	YL09	AC 250V, 13A	BS 1363-1: 2016 +A1: 2018	ASTA 1429
Alternative not for GS	Ningbo Jinting Nuclear Cable Co., Ltd	FY006A	AC 250V, 13A	BS 1363-1: 2016 +A1: 2018	ASTA 1295
Fuse in BS plug, not for GS	Dongguan Cooper Electronics Co., Ltd	TDC180	AC240V, 13A or 10A	BS 1362: 1973 +A3: 2021	ASTA 658
Alternative not for GS	AsiaFuse (HK) Electronics Ltd.	AF63-13A	AC240V, 13A	BS 1362: 1973 incorporating Amendment Nos. 1 & 2	ASTA 974
Alternative not for GS	AsiaFuse (HK) Electronics Ltd.	AF63C-10A	AC240V, 10A	BS 1362: 1973 incorporating Amendment Nos. 1 & 2	ASTA 974
Alternative not for GS	Shanghai Xinzhou Electronic Co., Ltd	SEMANN	AC240V, 13A or 10A	BS 1362: 1973 +A3: 2021	ASTA 1164
Alternative not for GS	Dongguan Cooper Electronics Co., Limited	TDC 180	AC240V, 13A or 10A	BS 1362: 1973 plus Amendments1 & 2	ASTA 658
Alternative not for GS	Dongguan Ubill Electrical Co., Ltd	UBL8808	AC240V, 13A or 10A	BS 1362: 1973 +A3: 2021	ASTA 1204
Power cord	Yuyao Chongyu Electric Co., Ltd.	H05VV-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-11: 2011	VDE 40034858

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Alternative	Yuyao Shengshida Electronic Co., Ltd.	H05VV-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-11: 2011	VDE 40034303
Alternative	Yuyao Senhao Cable Co., Ltd.	H05VV-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-11: 2011	VDE 40052976
Alternative	Yuyao Senhao Cable Co., Ltd.	H05RN-F H07RN-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-21: 2011	VDE 40052977
Alternative	Zhejiang Jinting Nuclear Cable Co., Ltd.	H05VV-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-11: 2011	VDE 40013419
Alternative	Zhejiang Jinting Nuclear Cable Co., Ltd.	H05RN-F H07RN-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-21: 2011	VDE 40018106
Alternative	Ningbo JinTing Nuclear Cable Co., Ltd	H05VV-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-11: 2011	VDE 40033767
Alternative	Shenzhen Wanshengyuan Wire Co., Ltd. Shunde Branch	H05RR-F H05RN-F H07RN-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-21: 2011	VDE 40049756
Alternative	Cixi Yelei Electron Co., Ltd.	H05VV-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-11: 2011	VDE 40052058
Alternative	Cixi Yelei Electron Co., Ltd.	H05RN-F H07RN-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-21: 2011	VDE 40052013
Alternative	GUANGXI HAILING ELECTRIC APPLIANCE CO., LTD.	H05VV-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-11: 2011	VDE 40054005
Alternative	Chau's Electrical Co., Ltd.	H05VV-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-11: 2011	VDE 113934
Alternative	Chau's Electrical Co., Ltd.	H05RR-F H05RN-F H07RN-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-21: 2011	VDE 40016331
Alternative	Chau's Electrical Co., Ltd.	H05RR-F H05RN-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-21: 2011	VDE 40020089

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Alternative	JIANGMEN GOMENTECH ELECTRICAL CO., LTD.	H05VV-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-11: 2011	VDE 40018946
Alternative	JIANGMEN GOMENTECH ELECTRICAL CO., LTD.	H05RR-F H05RN-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-21: 2011	VDE 40055078
Alternative	Cixi Chengzhe wire and cable Co., Ltd	H05VV-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-11: 2011	VDE 40058462
Alternative	Ningbo Qiaopu Electric Co., Ltd.	H05VV-F	3X0,75 mm ² (length of cord < 2m) or 3X1,0 mm ²	EN 50525-2-11: 2011	TUV R 50279805
Internal wire	CIXI SHUANGHONG WIRE CO., LTD.	H05S-K H05SJ-K	1X0,5 mm ² for lamp, 1X0,5-1,0 mm ² for other parts, T180	EN 50525-2-41: 2011	VDE 40017324
Alternative	Cixi Shenhong Wires Co., Ltd.	H05S-K H05SJ-K	1X0,5 mm ² for lamp, 1X0,5-1,0 mm ² for other parts, T180	EN 50525-2-41: 2011	VDE 40049048
Alternative	Cixi FuHai Ji Teng Electric Fiting Factory	H05S-K H05SJ-K	1X0,5 mm ² for lamp, 1X0,5-1,0 mm ² for other parts, T180	EN 50525-2-41: 2011	VDE 40016339
Alternative	Cixi Haosheng Wire & Cable Co., Ltd.	H05S-K H05SJ-K	1X0,5 mm ² for lamp, 1X0,5-1,0 mm ² for other parts, T180	EN 50525-2-41: 2011	VDE 40020128
Internal wire for PCB	YUEQING BOYUAN ELECTRONIC WIRE & CABLE CO LTD	2468	26AWG, 300V, 80°C	IEC/EN 60335-1 EN IEC 60335-2-9	Tested with appliance + UL E203561
Alternative	ZHEJIANG CHENGBAO WIRE & CABLE CO LTD	2468	26AWG, 300V, 80°C	IEC/EN 60335-1 EN IEC 60335-2-9	Tested with appliance + UL E315651
Alternative	DONGGUAN DANYANG ELECTRONIC WIRE CO LTD	2468	26AWG, 300V, 80°C	IEC/EN 60335-1 EN IEC 60335-2-9	Tested with appliance + UL E332522
Alternative	Zhejiang Jiezhu Wire & Cable Co Ltd	2468	26AWG, 300V, 80°C	IEC/EN 60335-1 EN IEC 60335-2-9	Tested with appliance + UL E480750

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IEC 60335-2-9					
Clause	Requirement + Test			Result - Remark	Verdict
Alternative	YUEQING BOYUAN ELECTRONIC WIRE & CABLE CO LTD	2651	26AWG, 300V, 105°C	IEC/EN 60335-1 EN IEC 60335-2-9	Tested with appliance + UL E203561
Alternative	ZHEJIANG CHENGBAO WIRE & CABLE CO LTD	2651	26AWG, 300V, 105°C	IEC/EN 60335-1 EN IEC 60335-2-9	Tested with appliance + UL E315651
Alternative	DONGGUAN DANYANG ELECTRONIC WIRE CO LTD	2651	26AWG, 300V, 105°C	IEC/EN 60335-1 EN IEC 60335-2-9	Tested with appliance + UL E332522
Alternative	Zhejiang Jiezhui Wire & Cable Co Ltd	2651	26AWG, 300V, 105°C	IEC/EN 60335-1 EN IEC 60335-2-9	Tested with appliance + UL E480750
Internal wire for NTC	FOSHAN CITY ZHENG GUAN FLUORPLASTICS WIRE FACTORY	10362	24-26AWG, 600V, 250°C	IEC/EN 60335-2-9 IEC/EN 60335-1	Tested with appliance + UL E307535
Alternative	ZHEJIANG CHENGBAO WIRE & CABLE CO LTD	10362	24-26AWG, 600V, 250°C	IEC/EN 60335-2-9 IEC/EN 60335-1	Tested with appliance + UL E315651
Alternative	TANPOQUIER CABLE SYSTEM (SHANGHAI) CO LTD	10362	24-26AWG, 600V, 250°C	IEC/EN 60335-2-9 IEC/EN 60335-1	Tested with appliance + UL E524186
Interlock switch	Zhejiang Qihong Electronics Co., LTD	LF-20	250V~, 5E4 or 1E4, 16A or 16(10)A, T125	EN 61058-1-1:2016 EN IEC 61058-1.2018 IEC 61058-1:2016 IEC 61058-1-1:2016	TUV B 118603 0001
Alternative	Cixi Westinghouse Electric Appliance Co., Ltd.	KW1	250VAC, 16(3)A T125, 5E4	EN IEC 61058-1:2018 EN 61058-1-1:2016	TUV R 50548768
Thermal link	ZhongShan Longed Electrical Co.,LTD	RY172	AC 250V, 10A, Tf172	EN 60691:2016+A1:2019 IEC 60691:2015+A1:2019	TUV B 067446 0027

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IEC 60335-2-9					
Clause	Requirement + Test		Result - Remark		Verdict
Alternative	ZhongShan Qilin Electronics Co.,LTD	QLF169	AC 250V, 10A, Tf172	EN 60691:2016+A1:2019 IEC 60691:2015+A1:2019	TUV B 090735 0004
Alternative	The Third Radio Factory of Yangzhong, Jiangsu	RY172	AC 250V, 10A, Tf172	EN 60691:2016+A1:2019 IEC 60691:2015+A1:2019	TUV R 50311907
Alternative	Zhongshan YUANSUN Thermal Protectors Co., LTD.	RY172	AC 250V, 10A, Tf172	EN 60691:2016+A1:2019 IEC 60691:2015+A1:2019	TUV R 50397951
Insulation of thermal link	SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	WF	600V, 200°C	IEC/EN 60335-2-9 IEC/EN 60335-1	Tested with appliance + UL E203950
Alternative	JIANGYIN ZHIJUN APPLIANCE ELECTRIC CABLE & WIRE CO LTD	HST	600V, 200°C	IEC/EN 60335-2-9 IEC/EN 60335-1	Tested with appliance UL E302890
Heat-shrinkable tube	Shenzhen Woer Heat-shrinkable Material Co., Ltd.	RSFR RSFR-H	600V, 125 °C, VW-1	IEC/EN 60335-2-9 IEC/EN 60335-1	Tested with appliance + UL E203950
Alternative	DONGGUAN SALIPT CO LTD	SALIPT S-901-600 SALIPT S-HPT-600	600V, 125 °C, VW-1	IEC/EN 60335-2-9 IEC/EN 60335-1	Tested with appliance + UL E209436
Alternative	CIXI QIANCHENG PLASTIC PRODUCTS FACTORY	BH-2	600V, 125 °C, VW-1	IEC/EN 60335-2-9 IEC/EN 60335-1	Tested with appliance + UL E330903
Alternative	SHENZHEN WOLIDA TRADING CO LTD	RSFR-H-2	600V, 125 °C, VW-1	IEC/EN 60335-2-9 IEC/EN 60335-1	Tested with appliance UL E329530
Wire connector	Shenzhen Hongyu Electrical Co Ltd	HY-CE1 HY-CE1X HY-CE2 HY-CE2X HY-CE5 HY-CE5X	300V~	IEC/EN 60335-2-9 IEC/EN 60335-1	Tested with appliance UL E314734

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IEC 60335-2-9					
Clause	Requirement + Test		Result - Remark		Verdict
Fan motor (two)	Ningbo Congyao Electric Appliance Co., LTD	YJ61-16	220-240V~, 50/60Hz, Class H	IEC/EN 60335-2-9 IEC/EN 60335-1	Tested with appliance
Thermal link for motor	ZHANGZHOU AUPO ELECTRONICS CO.,LTD	A8-F	AC 250V, 2A, 150°C	EN 60691:2016+A1:2019 IEC 60691:2015+A1:2019	VDE 40008720
Internal wire for motor	ZHONGSHAN DINGXIANG ELECTRICAL CO., LTD	H05S-K H05SJ-K	1×0,5...2,5mm ²	IEC/EN 60335-1 EN IEC 60335-2-9	Tested with appliance + VDE 40044738
Alternative	Zhongshan City Dingxiang Electrical Co Ltd	3122	20AWG, 300V, 200°C	IEC/EN 60335-1 EN IEC 60335-2-9	Tested with appliance + UL E354487
Alternative	SHENZHEN MYSUN INSULATION MATERIALS CO LTD	3122	20AWG, 300V, 200°C	IEC/EN 60335-1 EN IEC 60335-2-9	Tested with appliance + UL E239689
Alternative	FOSHAN CITY SHUNDE ZHENGLANG METALWARE ELECTRIC APPARATUS CO LTD	3122	20AWG, 300V, 200°C	IEC/EN 60335-1 EN IEC 60335-2-9	Tested with appliance + UL E313243
Alternative	Ningbo Jiali Wire & Cable Co Ltd	3122	20AWG, 300V, 200°C	IEC/EN 60335-1 EN IEC 60335-2-9	Tested with appliance + UL E520289
Alternative	Xiamen Set Electronics Co. Ltd.	K7	AC 250V, 2A, 150°C	EN 60691:2016+A1:2019 IEC 60691:2015+A1:2019	VDE 40017055
Alternative	Honghu Bluelight Electronic Co., Ltd.	RH150-2	AC 250V, 2A, 150°C	EN 60691:2016+A1:2019 IEC 60691:2015+A1:2019	VDE 40019233
PCB	KINGBOARD LAMINATES HOLDINGS LTD	KB-5150 KB-5152	V-0, 130°C	IEC/EN 60335-2-9 IEC/EN 60335-1	Tested with appliance + UL E123995
Alternative	ZHONGSHAN LIXIN CHAIN-BOARD CO LTD	CEM-1	V-0, 130°C	IEC/EN 60335-2-9 IEC/EN 60335-1	Tested with appliance + UL E230073

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IEC 60335-2-9					
Clause	Requirement + Test		Result - Remark		Verdict
Fuse	Honghu Bluelight Electronic Co., Ltd.	6ET	T3,15A, 250VAC	IEC 60127-1:2006+A1:2011+A2:2015 IEC 60127-3:2015+A1:2020	VDE 40034107
Alternative	XC Electronics (Shen Zhen) Corp. Ltd.	5TE	T3,15A, 250VAC	IEC 60127-1:2006+A1:2011+A2:2015 IEC 60127-3:2015+A1:2020	VDE 40036821
Alternative	Shenzhen Lanson Electronics Co. Ltd.	SMT	T3,15A, 250VAC	IEC 60127-1:2006+A1:2011+A2:2015 IEC 60127-3:2015+A1:2020	VDE 40012592
Alternative	Dongguan Chevron Electronic Technology Co., Ltd.	SET	T3,15A, 250VAC	IEC 60127-1:2006+A1:2011+A2:2015 IEC 60127-3:2015+A1:2020	VDE 40038565
X2 capacitor	Guangdong JURCC electronics Co., LTD.	MPX/MKP	AC 275V, 0,22uF, 40/110/56	IEC/EN 60384-14: 2013+A1:2016	VDE 40034920
Alternative	Foshan Shunde Beijiao Hua Da Electric Industrial Co., Ltd.	HD MKP series	AC 275V, 0,22uF, 40/105/21	IEC/EN 60384-14: 2013+A1:2016	VDE 40027182
Alternative	CHANGXING YOUCHANG ELECTRONIC CO., LTD	MKP/MPX	AC 275V, 0,22uF, 40/100/21/B	IEC/EN 60384-14: 2013+A1:2016	VDE 40049705
Alternative	Wuxi Wansheng Electronic Co., Ltd.	MKP	AC 275V, 0,22uF, 40/110/56/B	IEC/EN 60384-14: 2013+A1:2016	VDE 40043893
Alternative	Shantou High-New Technology Dev. Zone Songtian Enterprise Co., Ltd.	MPX	AC 275V, 0,22uF, 40/110/56	IEC/EN 60384-14: 2013+A1:2016	VDE 40034679
Relay	ANHUI MINGGUANG LIFE ELECTRONIC CO., LTD.	BRD-SS-105LMF	250VAC, 12A, T105, 8E4	IEC 61810-1:2015+A1:2019 EN 61810-1:2015+ A1:2020	TUV R 50183595

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IEC 60335-2-9					
Clause	Requirement + Test			Result - Remark	Verdict
Alternative	ANHUI MINGGUANG LIFE ELECTRONIC CO., LTD.	BRD-SS-105LF	250VAC, 12A, T105, 6E4	IEC 61810-1:2015+A1:2019 EN 61810-1:2015+ A1:2020	TUV R 50183595
Alternative	DONGGUAN YONGNENG ELECTRONICS CO., LTD.	YX202-S-105DMF	240VAC, 10A, T105, 1E5	IEC 61810-1:2015+A1:2019 EN 61810-1:2015+ A1:2020	TUV R 50106730
Alternative	DONGGUAN YONGNENG ELECTRONICS CO., LTD.	YX202-S-105DM	240VAC, 10A, T85, 1E5	IEC 61810-1:2015+A1:2019 EN 61810-1:2015+ A1:2020	TUV R 50106730
Alternative	Ningbo Lishun Relay Co., Ltd.	LSS-T73	250VAC, 12A, T85, 8E4; 250VAC, 16A T105, 5E4	IEC 61810-1:2015+A1:2019 EN 61810-1:2015+ A1:2020	TUV R 50131151
Alternative	Ningbo Lishun Relay Co., Ltd.	LS-T73	240/250VAC, 10A, T85, 5E4	IEC 61810-1:2015+A1:2019 EN 61810-1:2015+ A1:2020	TUV R 50131151
Alternative	Shenzhen Yuanze Electric Co., Ltd.	Y3F-SS-105DM	250VAC, 10A, T105, 1E4	IEC 61810-1:2015+A1:2019 EN 61810-1:2015+ A1:2020	TUV R 50197243
Varistor	Nanjing Jocol Electronics Technology Co., Ltd.	10D471K	T85	IEC 61051-2:2021 EN IEC 61051-1:2018 IEC 61051-2-2:1991	TUV R 50056768
Alternative	Shantou High-New Technology Dev. Zone Songtian Enterprise Co., Ltd.	10D471K	T125	IEC 61051-1:2007 IEC 61051-2:1991+A1:2009 IEC 61051-2-2:1991	VDE 40023049
Alternative	Huizhou Songlongxindian Electronics Technology Co. Ltd.	10D471K	T85	IEC 61051-1:2007 IEC 61051-2:1991+A1:2009 IEC 61051-2-2:1991	VDE 40040037

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Clause	Requirement + Test		Result - Remark		Verdict
Heating element	Ningbo Congyao Electric Appliance Co., LTD	--	Marked: 220-240V, Left Heating 1100W Right Heating1100W tested at: 220-240V, 2200W	IEC/EN 60335-2-9 IEC/EN 60335-1	Tested with appliance
Internal plastic enclosure/ Air outlet material	Ningbo Congyao Electric Appliance Co., LTD	/	PA66+GF40, 2.0mm thick minimum.	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance
Plastic enclosure	Ningbo Congyao Electric Appliance Co., LTD	/	PP1100, 2.0mm thick minimum.	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance
Display cover	Ningbo Congyao Electric Appliance Co., LTD	/	PC, 2.0mm thick minimum.	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance
Alternative power PCB for all models.					
PCB	KINGBOARD LAMINATES HOLDINGS LTD	KB-5150, KB-5150A, KB-5150& KB-5152	V-0, 1.6mm	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance + E123995
Alternative	Ningbo KeHaoDa Electronic Co Ltd	KHD-2 KHD-1	V-0, 1.6mm	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance + E475604
Alternative	JIANGXI HONGYU CIRCUIT TECHNOLOGY CO LTD	HY-3A (ASP 1) HY-7 (ASP 1)	V-0, 1.6mm	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance + E309772
Alternative	MEIXIAN JINJIANG CIRCUIT BOARD CO LTD	JJ-C1 JJ-F4	V-0, 1.6mm	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance + E343859
Relay	DONGGUAN YONGNENG ELECTRONICS CO., LTD.	YX202-S-105DMF	240/250VAC, 10A, T105, 1E5	IEC 61810-1:2015+A1:2019 EN 61810-1:2015+ A1:2020	TUV R 50106730
Alternative	DONGGUAN YONGNENG ELECTRONICS CO., LTD.	YX202-S-105DM	240V/250AC, 10A, T85, 1E5	IEC 61810-1:2015+A1:2019 EN 61810-1:2015+ A1:2020	TUV R 50106730
Alternative	Sanyou Corporation Limited	SRD-S-105DM	250VAC, 10A, T85, 1E7	IEC/EN 61810-1:2015	TUV R 50142424

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Clause	Requirement + Test			Result - Remark	Verdict
Alternative	SHENZHEN YUANZE ELECTRIC CO LTD	Y3F-SS-105DM	250VAC, 10A, T105, 1E4	IEC/EN 61810-1:2015	TUV R 50197243
Alternative	Zhongshan Xiaolan Guoke Relay Factory	GK3FF-5VDC-SA	250VAC, 10A, T105, 1E5	IEC/EN 61810-1:2015	TUV R 50455333
Fuse	Honghu Bluelight Electronic Co., Ltd.	6ET	T3,15A, 250VAC	IEC 60127-1:2006 IEC 60127-1:2006/AMD1:2011 IEC 60127-1:2006/AMD2:2015 IEC 60127-3:2015 IEC 60127-3:2015/AMD1:2020	VDE 40047916
Alternative	XC Electronics (Shen Zhen) Corp. Ltd.	5TE	T3,15A, 250VAC	IEC 60127-1:2006 IEC 60127-1:2006/AMD1:2011 IEC 60127-1:2006/AMD2:2015 IEC 60127-3:2015 IEC 60127-3:2015/AMD1:2020	VDE 40029550
Alternative	Shanghai Fullness Electrical Co., Ltd.	TSP	T3,15A, 250VAC	IEC/EN 60127-1:2006+A1 IEC/EN 60127-3:2015	TUV R 50315914
X2 capacitor	Guangdong JURCC electronics Co., LTD.	MPX/MKP	AC 275V, 0,1uF, 40/110/56	IEC/EN 60384-14: 2013+A1:2016	VDE 40034920
Alternative	Wuxi Wansheng Electronic Co., Ltd.	MKP	AC 275V, 0,1uF, 40/110/56	IEC/EN 60384-14: 2013+A1:2016	VDE 40043893
Alternative	Tenta Electric Industrial Co. Ltd.	MEX	AC 275V, 0,1uF, 40/100/21	IEC 60384-14:2013 IEC 60384-14:2013/AMD1:2016	VDE 119119

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IEC 60335-2-9					
Clause	Requirement + Test		Result - Remark		Verdict
Alternative	GUANGDONG FENGMING ELECTRONIC TECH. CO., LTD.	MKP-X2	AC 275V, 0,1uF, 40/110/56	IEC 60384-14: 2013 IEC 60384-14: 2013/AMD1:2016	VDE 40025702
Alternative	Shenzhen Weidy Industrial Development Co., Ltd.	MKP	AC 275V, 0,1uF, 40/110/56	IEC 60384-14: 2013 IEC 60384-14: 2013/AMD1:2016	VDE 40041066
Varistor	Shantou High-New Technology Dev. Zone Songtian Enterprise Co., Ltd.	10D471K	T125	IEC 61051-1:2007 IEC 61051-2: 1991+A1:2009 IEC 61051-2-2: 1991	VDE 40023049
Alternative	Hongzhi Enterprises Ltd.	HEL 10D471K	T85	IEC 61051-1: 2007 IEC 61051-2: 1991 IEC 61051-2-2: 1991 IEC 61051-2: 1991/AMD1:2009	VDE 40037512
NTC	ANHUI EAGLE ELECTRON CO LTD	MF51-104X3950YA	Resistance at 25°C: 100KΩ	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance + E502983
Alternative	ANHUI EAGLE ELECTRON CO LTD	MF58-104X3950YA	Resistance at 25°C: 100KΩ	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance + E502983
Alternative	HEFEI SENSING ELECTRONIC CO LTD	MF58-104X3950Y	Resistance at 25°C: 100KΩ	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance + E318225
Internal wire for PCB	Zhejiang Jiezhu Wire & Cable Co Ltd	2651	24-26AWG, 300V, 105°C	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance + E480750
Alternative	YUEQING BOYUAN ELECTRONIC WIRE & CABLE CO LTD	2651	24-26AWG, 300V, 105°C	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance + E203561
Alternative	Zhejiang Gaoqi Electronics Technology Co Ltd	2651	24-26AWG, 300V, 105°C	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance + E530173

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Clause	Requirement + Test		Result - Remark		Verdict
Alternative	GUANGDONG FUYUANTONG CABLE TECHNOLOGY CO LTD	2651	24-26AWG, 300V, 105°C	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance + E241989
Alternative	DONGGUAN ZHIHE ELECTRICAL CABLE TECH CO LTD	10362	24-26AWG, 600V, 250°C	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance + E258239
Alternative	TANPOQUIER CABLE SYSTEM (SHANGHAI) CO LTD	10362	24-26AWG, 300V, 105°C	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance + E524186
Alternative	ZHEJIANG CHENGBAO WIRE & CABLE CO LTD	10362	24-26AWG, 300V, 105°C	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance + E315651
Alternative	FOSHAN CITY ZHENG GUAN FLUORPLASTICS WIRE FACTORY	10362	24-26AWG, 300V, 105°C	IEC/EN 60335-1 IEC/EN 60335-2-9	Tested with appliance + E307535
Supplementary information: 1) Provided evidence ensures the agreed level of compliance. See OD-CB2039.					

28.1	TABLE: Threaded part torque test			P
Threaded part identification	Diameter of thread (mm)	Column number (I, II, or III)	Applied torque (Nm)	
Earthing screw	2,93	II	0,5	
Supplementary information:				

29.1	TABLE: Clearances					P
	Overvoltage category.....	II			—	
Type of insulation:						
Rated impulse voltage (V):	Min. CI (mm)	Basic (mm)	Supplementary (mm)	Reinforced (mm)	Functional (mm)	Verdict / Remark
330	0,2* / 0,5 / 0,8**					N/A
500	0,2* / 0,5 / 0,8**					N/A
800	0,2* / 0,5 / 0,8**					N/A
1 500	0,5 / 0,8** / 1,0***					N/A

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Clause	Requirement + Test			Result - Remark		Verdict
2 500	1,5 / 2,0***	2,4 ¹⁾	>2,6		>2,6	P
4 000	3,0 / 3,5***			>4,6		P
6 000	5,5 / 6,0***					N/A
8 000	8,0 / 8,5***					N/A
10 000	11,0 / 11,5***					N/A
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						
1) 1,2mm for end of heating element > 1,0mm						

29.2	TABLE: Creepage distances, basic, supplementary and reinforced insulation										P
Working voltage (V)	Creepage distance (mm)							Type of insulation			Verdict
	Pollution degree										
	1	2			3						
		Material group			Material group						
		I	II	IIIa/IIIb	I	II	IIIa/IIIb*	B**	S**	R**	Verdict
≤50	0,18	0,6	0,85	1,2	1,5	1,7	1,9		—	—	N/A
≤50	0,18	0,6	0,85	1,2	1,5	1,7	1,9	—		—	N/A
≤50	0,36	1,2	1,7	2,4	3,0	3,4	3,8	—	—		N/A
125	0,28	0,75	1,05	1,5	1,9	2,1	2,4		—	—	N/A
125	0,28	0,75	1,05	1,5	1,9	2,1	2,4	—		—	N/A
125	0,56	1,5	2,1	3,0	3,8	4,2	4,8	—	—		N/A
250	0,56 (1,2 mm)	1,25	1,8	2,5	3,2	3,6	4,0	>5,2	—	—	P
250	0,56	1,25	1,8	2,5	3,2	3,6	4,0	—	>5,2	—	P
250	1,12	2,5	3,6	5,0	6,4	7,2	8,0	—	—	>10,4	P
400	1,0	2,0	2,8	4,0	5,0	5,6	6,3		—	—	N/A
400	1,0	2,0	2,8	4,0	5,0	5,6	6,3	—		—	N/A
400	2,0	4,0	5,6	8,0	10,0	11,2	12,6	—	—		N/A
500	1,3	2,5	3,6	5,0	6,3	7,1	8,0		—	—	N/A
500	1,3	2,5	3,6	5,0	6,3	7,1	8,0	—		—	N/A
500	2,6	5,0	7,2	10,0	12,6	14,2	16,0	—	—		N/A

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Clause	Requirement + Test							Result - Remark			Verdict
>630 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0		—	—	N/A
>630 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0	—		—	N/A
>630 and ≤800	3,6	6,4	9,0	12,6	16,0	18,0	20,0	—	—		N/A
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5		—	—	N/A
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5	—		—	N/A
>800 and ≤1000	4,8	8,0	11,2	16,0	20,0	22,0	25,0	—	—		N/A
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0		—	—	N/A
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	—		—	N/A
>1000 and ≤1250	6,4	10,0	14,2	20,0	25,0	28,0	32,0	—	—		N/A
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0		—	—	N/A
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	—		—	N/A
>1250 and ≤1600	8,4	12,6	18,0	25,0	32,0	36,0	40,0	—	—		N/A
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0		—	—	N/A
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0	—		—	N/A
>1600 and ≤2000	11,2	16,0	22,0	32,0	40,0	44,0	50,0	—	—		N/A
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0		—	—	N/A
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0	—		—	N/A
>2000 and ≤2500	15,0	20,0	28,0	40,0	50,0	56,0	64,0	—	—		N/A
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0		—	—	N/A
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0	—		—	N/A
>2500 and ≤3200	20,0	25,0	36,0	50,0	64,0	72,0	80,0	—	—		N/A
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0		—	—	N/A
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0	—		—	N/A
>3200 and ≤4000	25,0	32,0	44,0	64,0	80,0	90,0	100,0	—	—		N/A
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0		—	—	N/A
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0	—		—	N/A
>4000 and ≤5000	32,0	40,0	56,0	80,0	100,0	112,0	126,0	—	—		N/A
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0		—	—	N/A
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0	—		—	N/A
>5000 and ≤6300	40,0	50,0	72,0	100,0	126,0	142,0	160,0	—	—		N/A
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0		—	—	N/A
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0	—		—	N/A
>6300 and ≤8000	50,0	64,0	90,0	126,0	160,0	180,0	200,0	—	—		N/A

Supplement "A1" to test report No. AQMP-ESH-P24101800 dated on 2024-12-18

IEC 60335-2-9											
Clause	Requirement + Test							Result - Remark			Verdict
>8000 and ≤10000	32,0	40,0	56,0	80,0	100,0	110,0	125,0		—	—	N/A
>8000 and ≤10000	32,0	40,0	56,0	80,0	100,0	110,0	125,0	—		—	N/A
>8000 and ≤10000	64,0	80,0	112,0	160,0	200,0	220,0	250,0	—	—		N/A
>10000 and ≤12500	40,0	50,0	71,0	100,0	125,0	140,0	160,0		—	—	N/A
>10000 and ≤12500	40,0	50,0	71,0	100,0	125,0	140,0	160,0	—		—	N/A
>10000 and ≤12500	80,0	100,0	142,0	200,0	250,0	280,0	320,0	—	—		N/A
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											

29.2	TABLE: Creepage distances, functional insulation								P
Working voltage (V)	Creepage distance (mm)							Verdict / Remark	
	Pollution degree								
	1	2			3				
		Material group			Material group				
		I	II	IIIa/IIIb	I	II	IIIa/IIIb*		
≤10	0,08	0,4	0,4	0,4	1,0	1,0	1,0	N/A	
50	0,16	0,56	0,8	1,1	1,4	1,6	1,8	N/A	
125	0,25	0,71	1,0	1,4	1,8	2,0	2,2	N/A	
250	0,42	1,0	1,4	2,0	2,5	2,8	3,2	P(3,6mm)	
400	0,75	1,6	2,2	3,2	4,0	4,5	5,0	N/A	
500	1,0	2,0	2,8	4,0	5,0	5,6	6,3	N/A	
>630 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0	N/A	
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5	N/A	
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	N/A	
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	N/A	
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0	N/A	
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0	N/A	
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0	N/A	
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0	N/A	
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0	N/A	
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0	N/A	
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0	N/A	
>8000 and ≤10000	32,0	40,0	56,0	80,0	100,0	110,0	125,0	N/A	

Supplement "A1" to test report No. AQMP-ESH-P24101800 dated on 2024-12-18

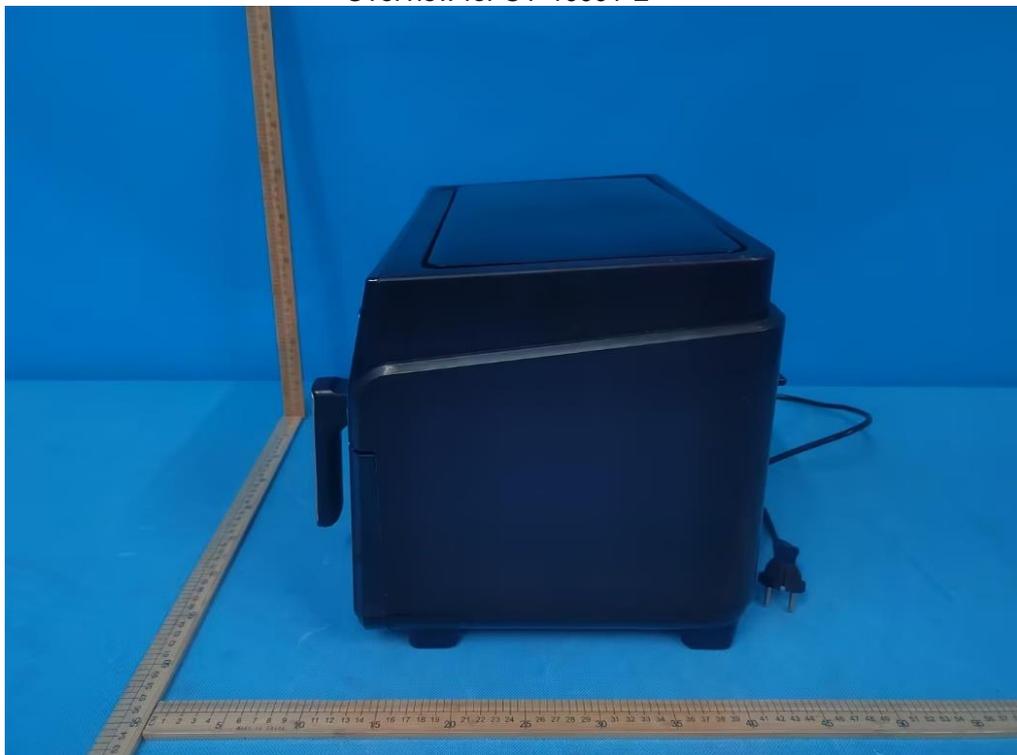
IEC 60335-2-9									
Clause	Requirement + Test							Result - Remark	Verdict
>10000 and ≤12500	40,0	50,0	71,0	100,0	125,0	140,0	160,0	N/A	
Supplementary information:									
*) Material group IIIb is allowed if the working voltage does not exceed 50 V									

Appendix 1 : Photo of appliance

Overview for CY-10001-E



Overview for CY-10001-E



Overview for CY-10001-E



Overview for CY-10001-E



Overview for CY-10001-E



Overview for CY-10001-E



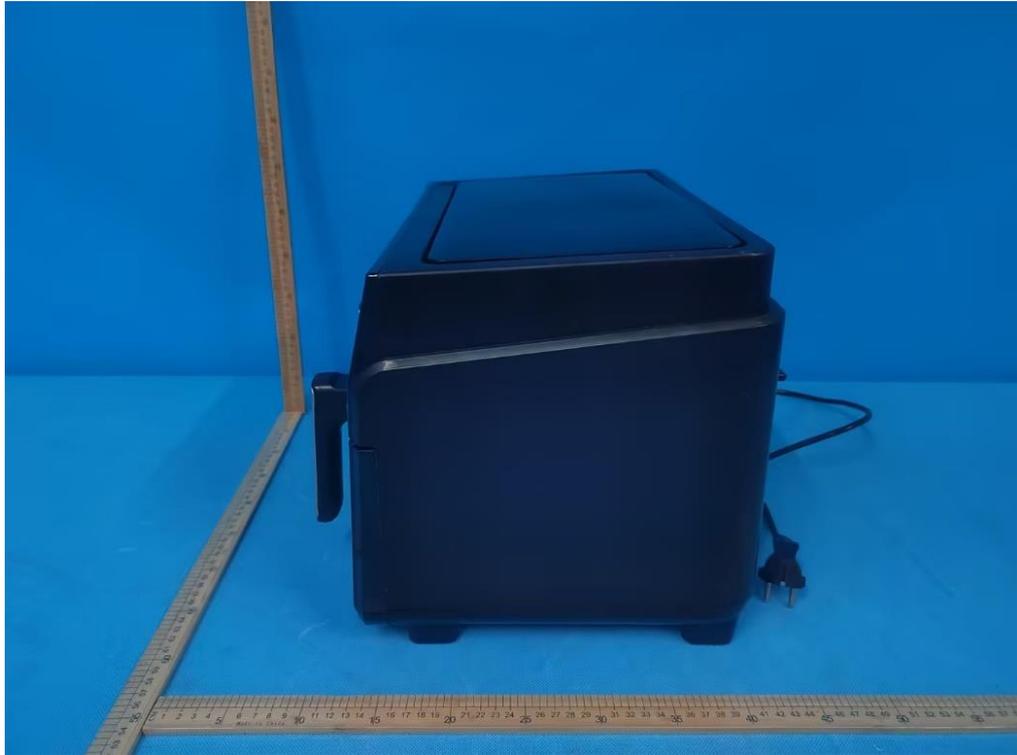
Overview for CY-10001-E



Overview for CY-10003-E



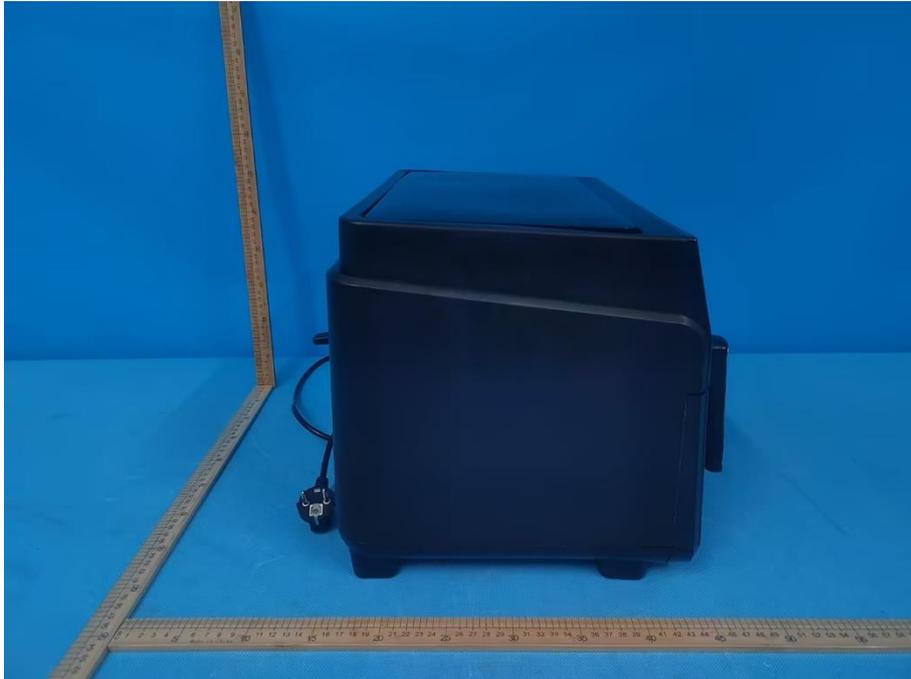
Overview for CY-10003-E



Overview for CY-10003-E



Overview for CY-10003-E



Overview for CY-10003-E



Overview for CY-10003-E



Overview for models CY-10003-E and CY-10001-E



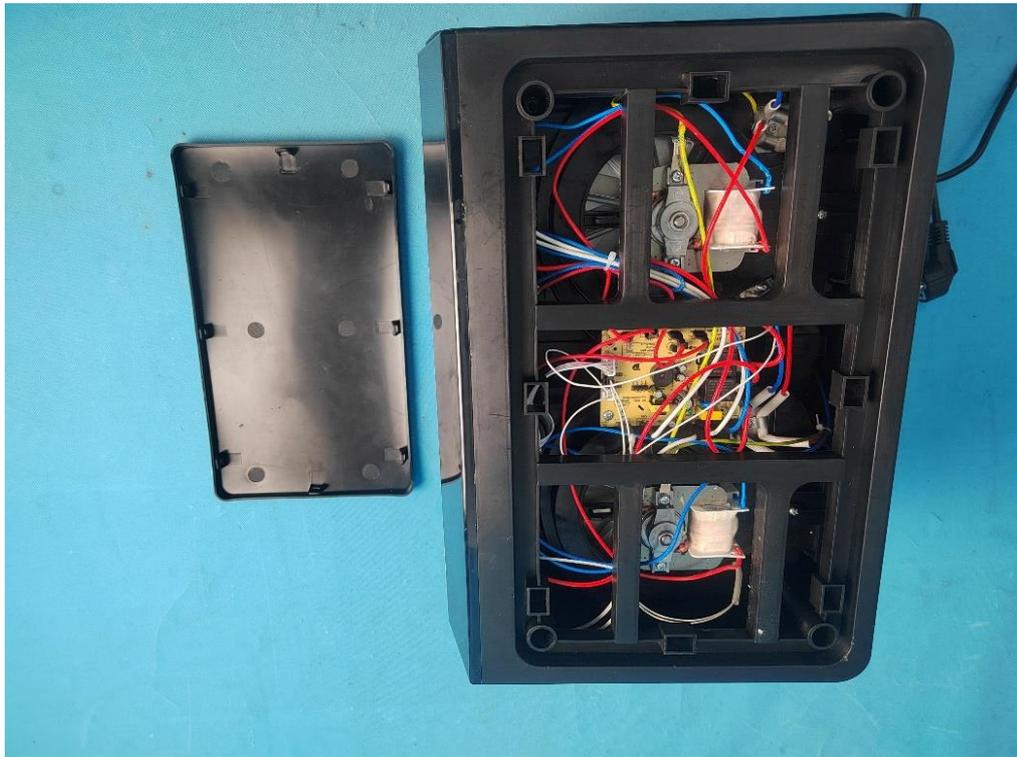
Inside view for all models



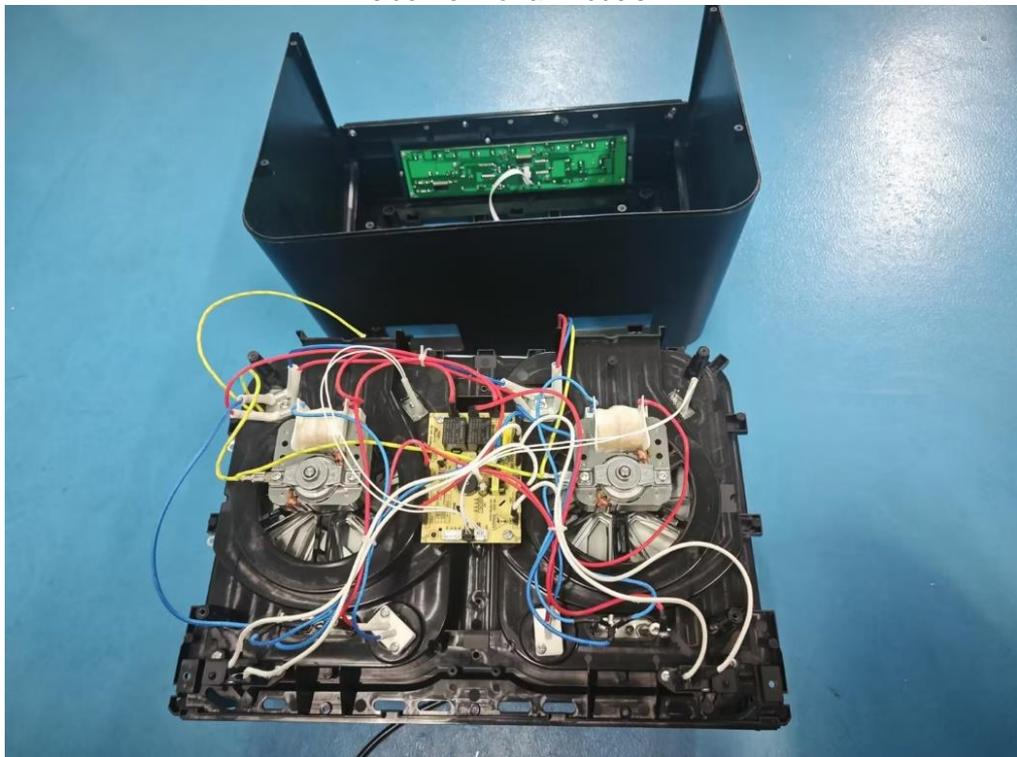
Inside view for all models



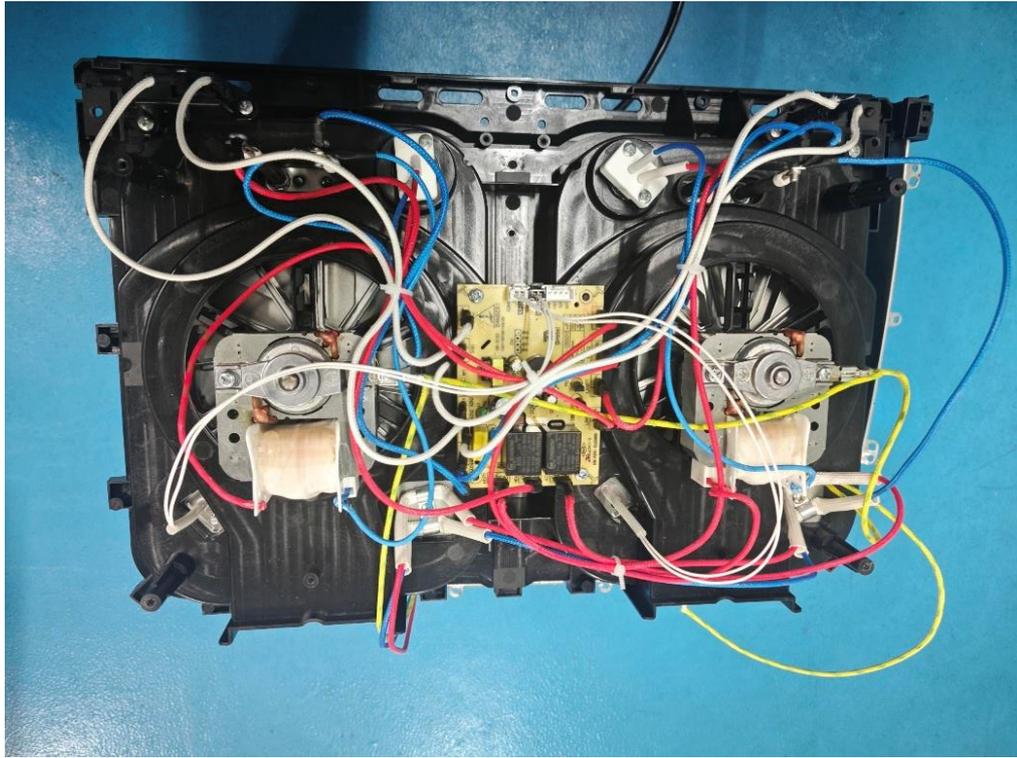
Inside view for all models



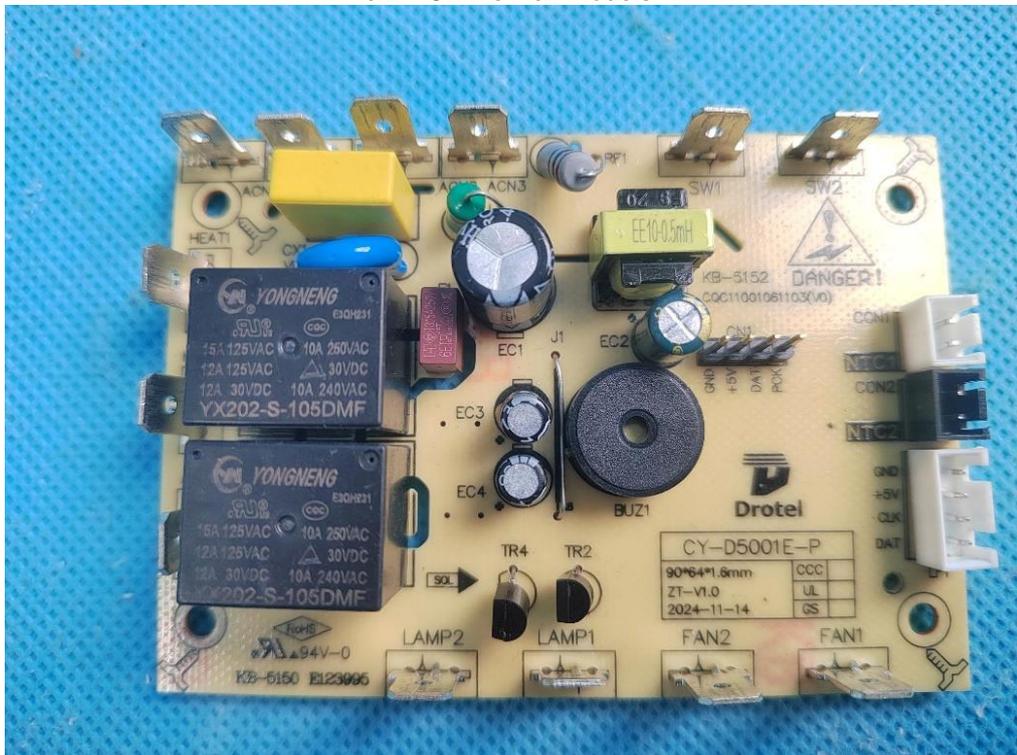
Inside view for all models



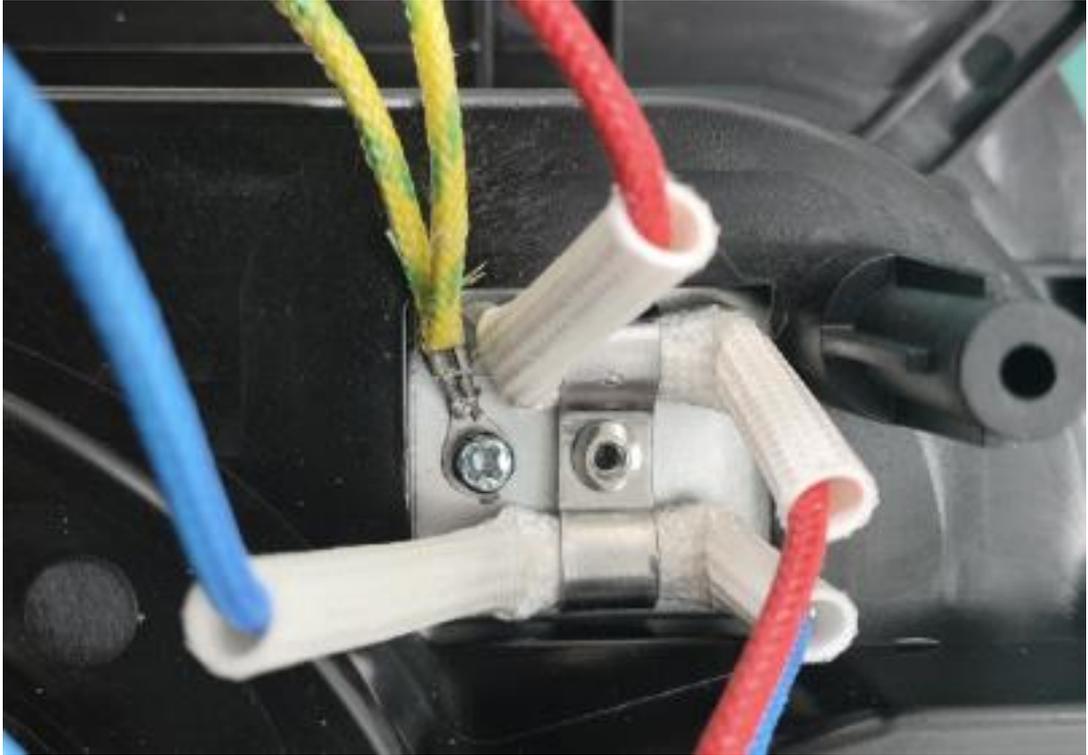
Inside view for all models



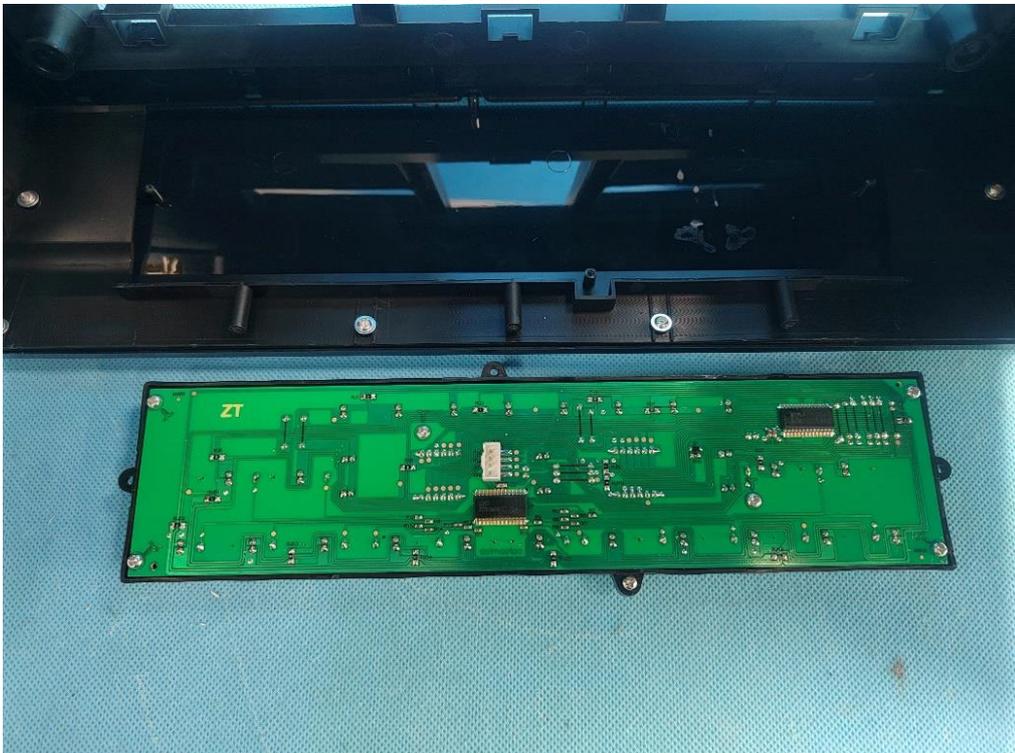
Main PCB view all models



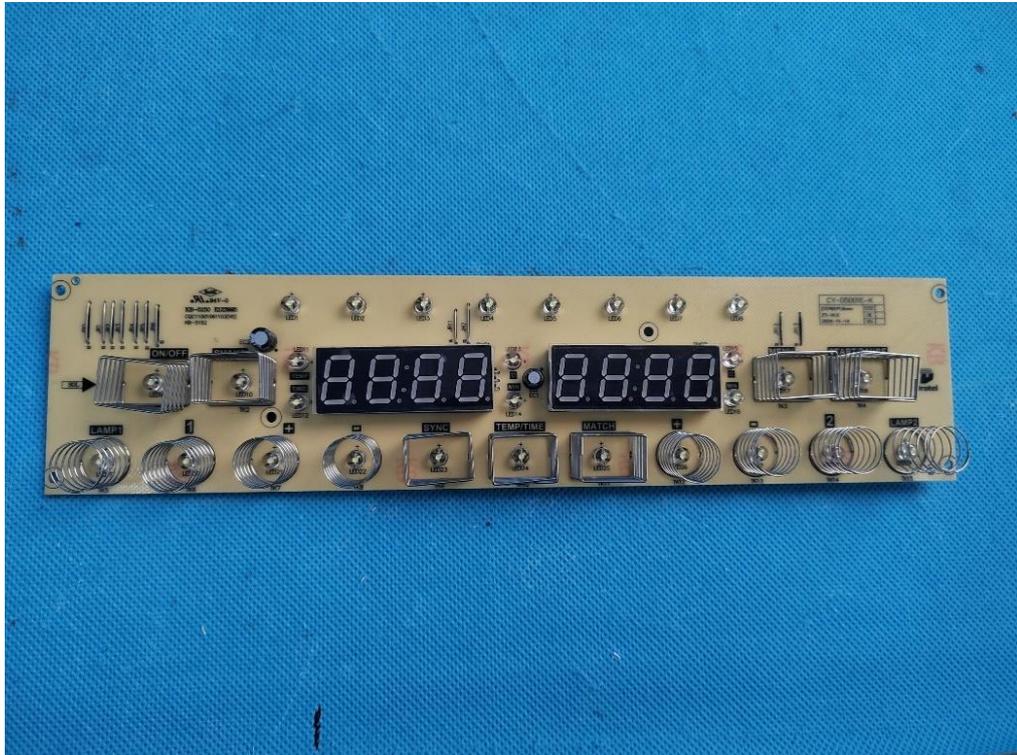
Inside view for all models



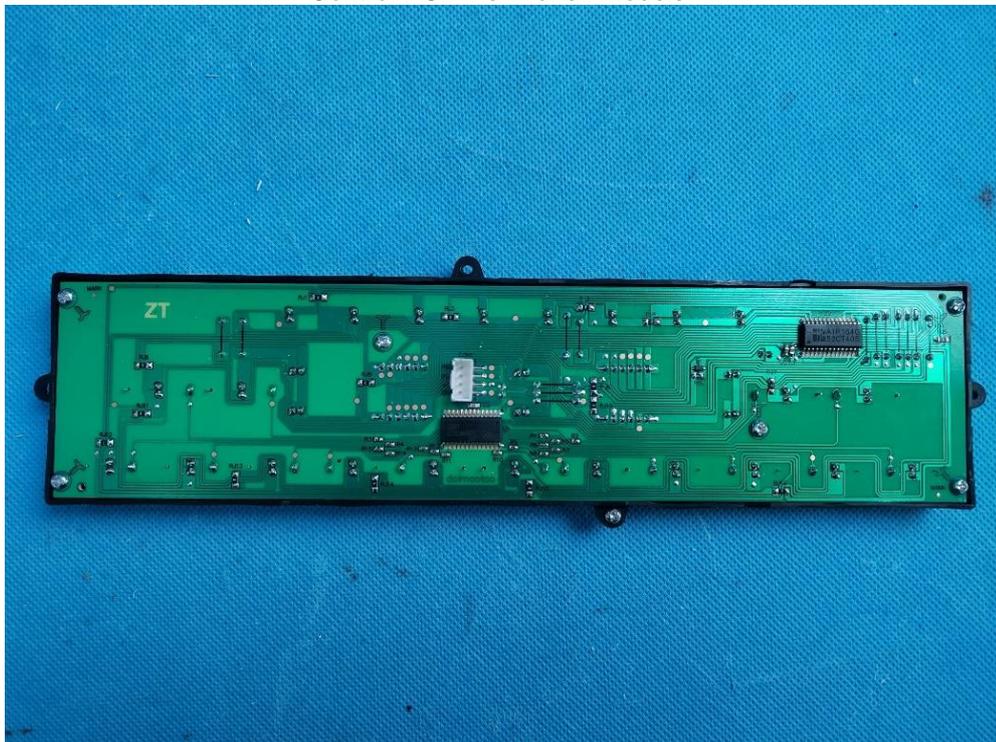
Control PCB view for all models



Control PCB view for all models



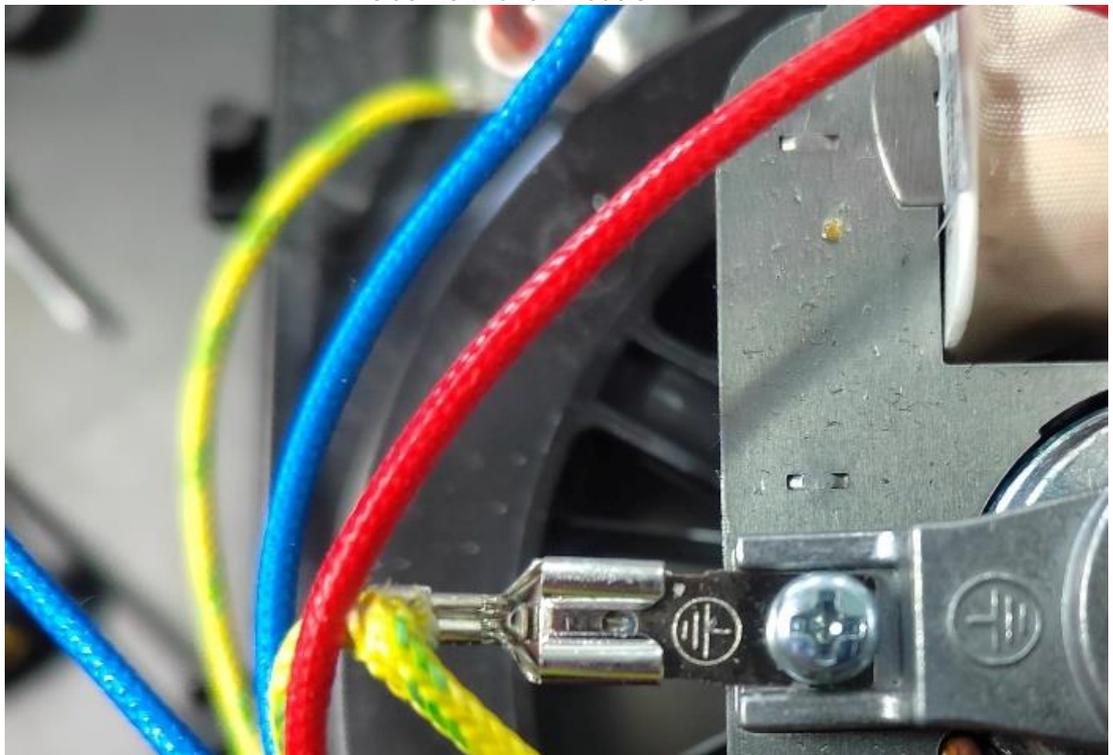
Control PCB view for all models



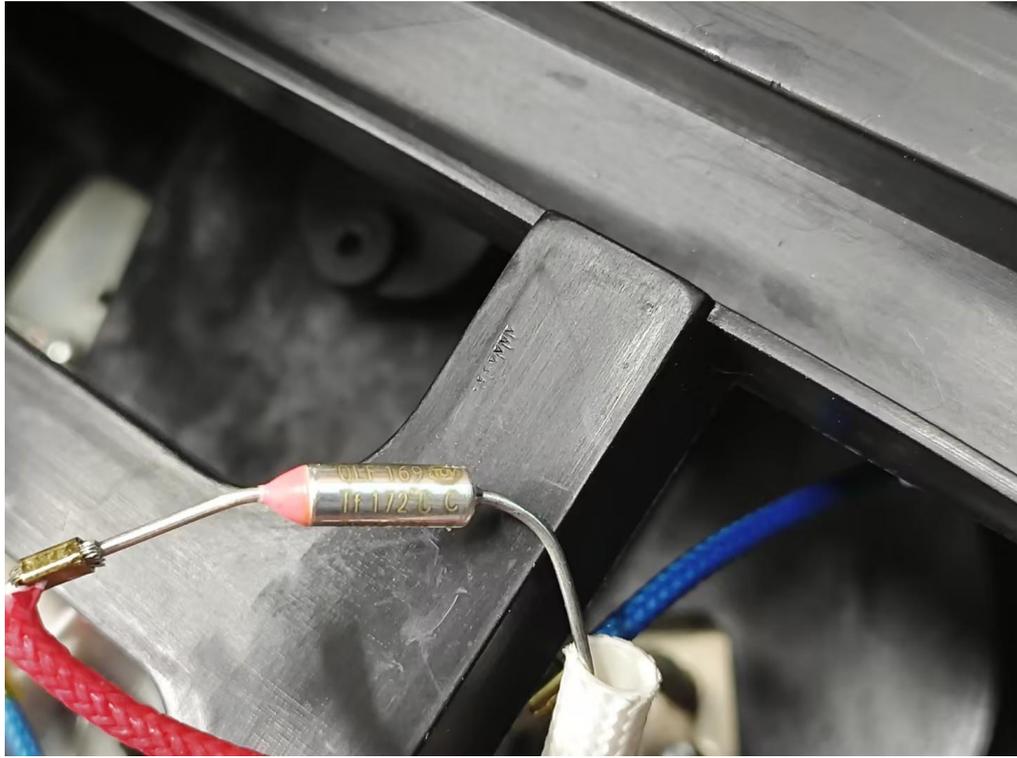
Inside view for all models



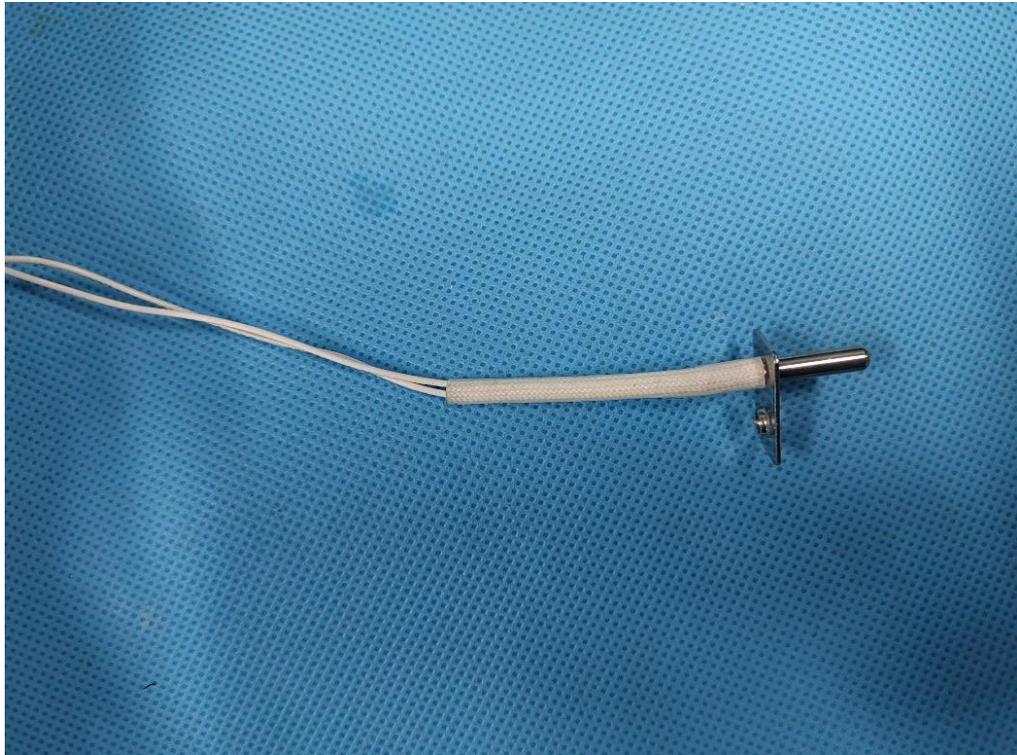
Inside view for all models



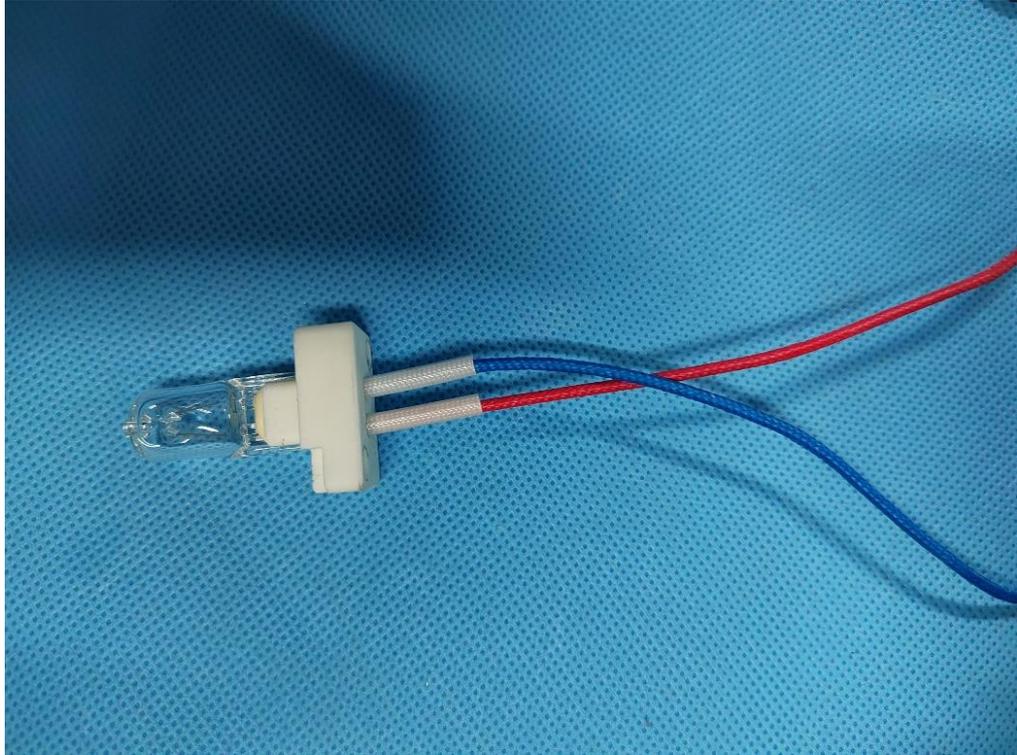
Thermal link view all models



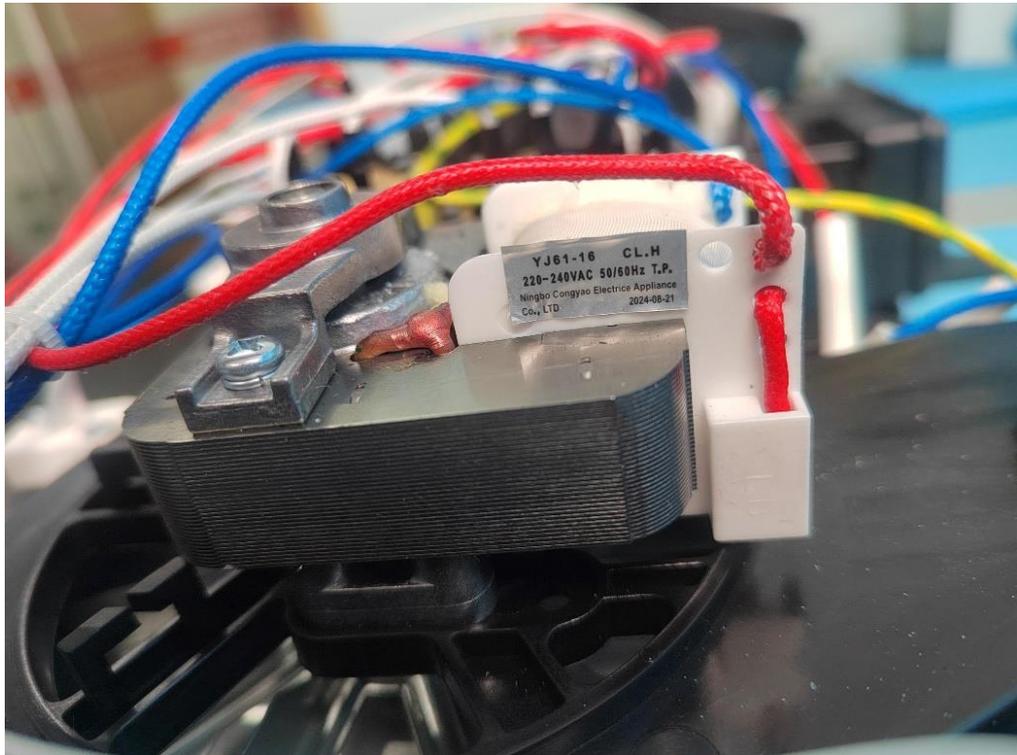
NTC view for all models



Light view for all models



Motor view for all models



Inside view all models



Overview for CY-10002-E



Overview for CY-10002-E



Overview for CY-10004-E



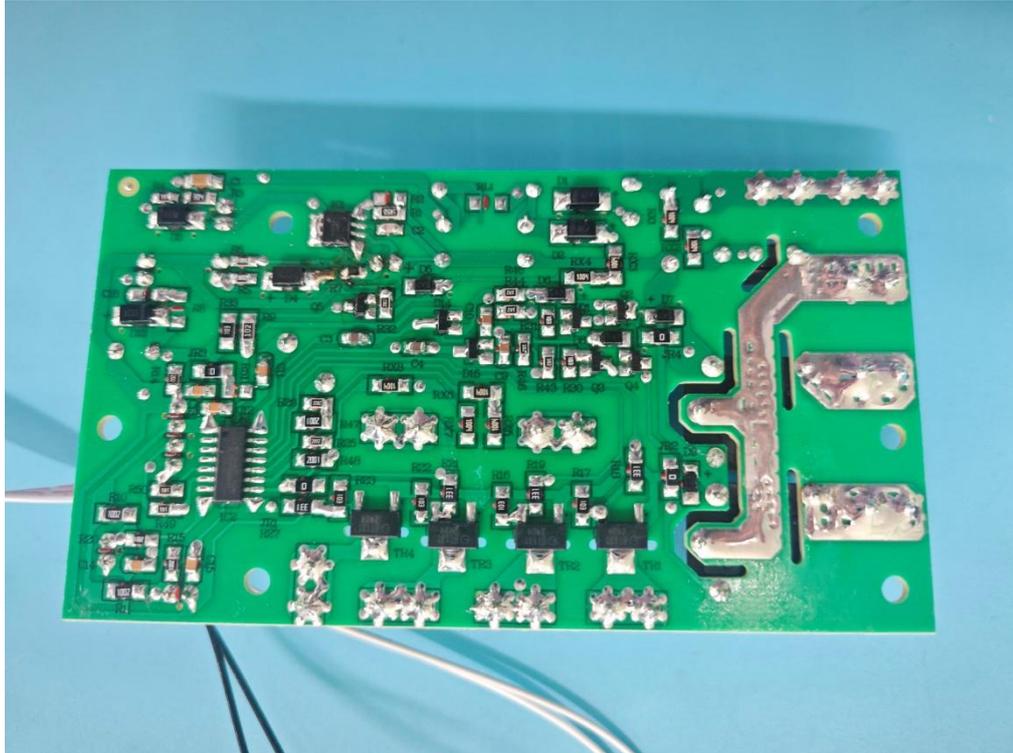
Overview for CY-10004-E



Alternative main PCB view for all models



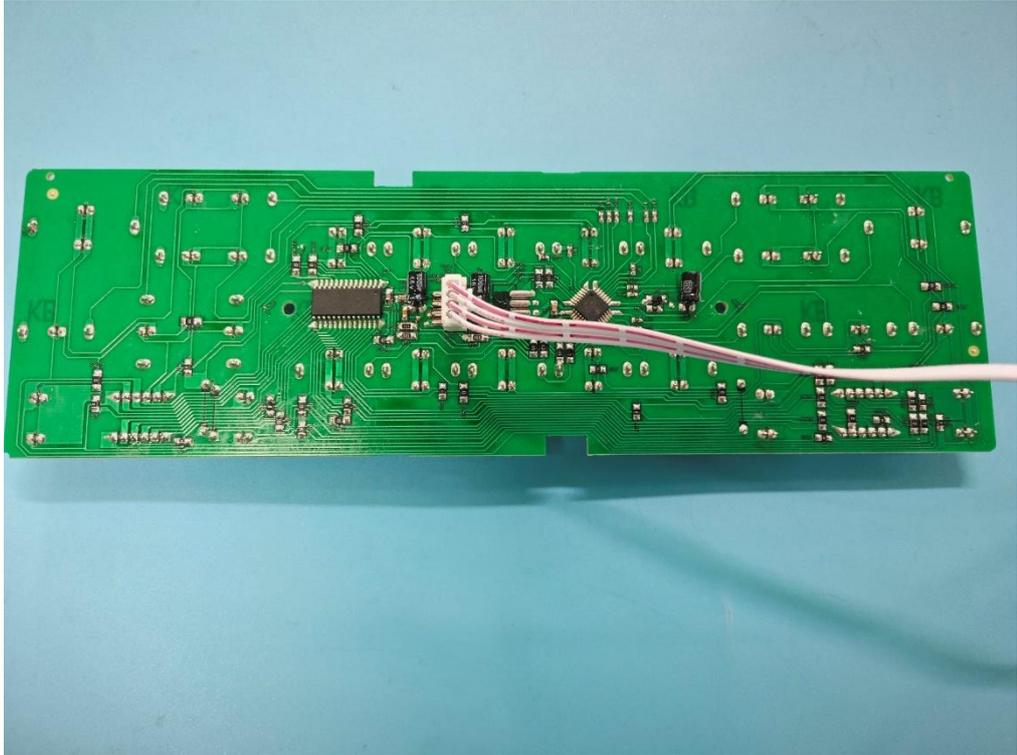
Alternative main PCB view for all models



Alternative control PCB view for all models



Alternative control PCB view for all models



control panel view for all models



Appendix 2

**ATTACHMENT TO TEST REPORT IEC 60335-2-9
EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES**

Household and similar electrical appliances – Safety –
Part 2: Particular requirements for grills, toasters and similar cooking appliances

Differences according to : EN 60335-2-9:2003 + A1:2004 + A2:2006 + A12:2007
+A13:2010+corrigendum to A13:2011 + corrigendum to A13:2012
used in conjunction with EN 60335-1:2012
EN 62233:2008

CENELEC COMMON MODIFICATIONS			
6.1	Delete "class 0" and "class 01"		P
7.1	Single-phase appliances to be connected to the supply mains: 230 V covered		P
	Multi-phase appliances to be connected to the supply mains: 400 V covered		N/A
	When the provisions of footnote b to Table Z101 apply, the appliance shall be marked with: "Hot Surface" (EN 60335-2-9)		N/A
	The symbol or the warning shall be put on the surface of the appliance having the highest temperature and shall be visible during normal operation. (EN 60335-2-9)		N/A
7.10	Devices used to start/stop operational functions of the appliance distinguished from other manual devices by means of shape, size, surface texture, position, etc.		P
	Devices used to start/stop operational functions of the appliance, if any, shall be distinguished from other manual devices by means of shape, or size, or surface texture, or position, etc. A tactile or an audible and visual feedback shall give an indication that the device has been operated (EN 60335-2-9)		P
	An indication that the device has been operated is given by:		--
	<ul style="list-style-type: none"> • a tactile feedback, or 		N/A
	<ul style="list-style-type: none"> • an audible and visual feedback 		P
7.12	The instructions include the substance of the following:		--
	- 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		P
	- children shall not play with the appliance		P

	- cleaning and user maintenance shall not be made by children without supervision		P
	Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children unless they are older than 8 and supervised. Keep the appliance and its cord out of reach of children less than 8 years. (EN 60335-2-9)		P
7.12.Z1	The specific instructions related to the safe operation of this appliance is collated together in the front section of the user instructions		P
	The height of the characters, measured on the capital letters, is at least 3 mm		P
	These instructions are also available in an alternative format, e.g. on a website		P
7.12.Z101	The specific instructions related to the safe operation of this appliance (as given in 7.12 of this standard) shall be collated together in the front section of the user instructions. The height of the characters, measured on the capital letters, shall be at least 3 mm (EN 60335-2-9)		P
8.1.1	Also test probe 18 of EN 61032 is applied		P
	The appliance being in every possible position during the test		P
	The force on the probe in the straight position is increased to 10 N when probe 18 is used		P
	When using test probe 18 the appliance is fully assembled as in normal use without any parts removed, and		P
	parts intended to be removed for user maintenance are also not removed		P
8.2	Compliance is checked by applying the test probes of EN 61032		P
	For built-in appliances and fixed appliances, the test probe B and probe 18 of EN 61032 are applied only after installation		N/A

11.1	For ovens, rotary grills, rotisseries and cookers, compliance is also checked by the test of 11.Z101. (EN 60335-2-9)		N/A
	For contact grills, waffle irons, sandwich makers, radiant grills, raclette grills, griddles, barbecues, hot plates, candy floss, popcorn makers, compliance is also checked by the test of 11.Z102. (EN 60335-2-9)		N/A
	For breadmakers and food dehydrators, compliance is also checked by the test of 11.Z103. (EN 60335-2-9)		N/A
	For toasters, compliance is also checked by test of 11.Z104. (EN 60335-2-9)		N/A
	For roasters, compliance is also checked by test of 11.Z105. (EN 60335-2-9)		P
	For all other types of appliances, compliance is checked by submitting the appliance to the tests of the nearest mentioned relevant type of appliance. (EN 60335-2-9)		N/A
11.3	For flat surfaces, temperature rises are measured using the probe of figure Z101(or any measuring instrument giving the same results), applied with a force of $4\text{ N} \pm 1\text{ N}$ (EN 60335-2-9)		P
11.8	Footnotes to "External enclosure of motor-operated appliances" to be taken into account		N/A
	The temperature rise of handles or grips and that of operational devices such as switches, keypads and knobs that are intended to be touched in normal use is measured as follows: (EN 60335-2-9/A12)		--
	-for operational devices and grips with a surface greater than 300mm^2 , over an area of 20mm around the part normally gripped or touched to operate the appliance		N/A
	-for operational devices and grips with a surface less than or equal to 300mm^2 , over an area of 25mm around the part normally gripped or touched to operate the appliance		P
	The hot part of operational devices and grips cannot be touched unintentionally		P
	-for handles, over an area of 20mm around the orthogonal projection of all points located at the clearance less than 40mm between the rear part of the handle ,or at least 80mm along the handle and the hot part.		P
	The hot part of handles cannot be touched unintentionally		P

	-for surfaces of handles, knobs, grips and similar parts which are held for short periods, table 3 applies.		P
11.Z101	Ovens, rotary grills and cookers are placed as specified in 11.2. Appliance supplied at rated power, and operated under normal operation (EN 60335-2-9/A12)		N/A
	Ovens, rotary grills, rotisseries and cookers are supplied at rated power and operated under normal operation. (EN 60335-2-9)		N/A
	All heating units that can be connected to the supply mains at the same time during normal use are switched on. (EN 60335-2-9)	See appended table	N/A
	Ovens are operated without accessories (EN 60335-2-9)		N/A
	Temperature rise of the surfaces not exceeding the values of table Z101 (EN 60335-2-9)	See appended table	N/A
	Ovens having settings higher than 240°C, are also operated at the maximum setting until steady state conditions are established or for 60min, whichever is shorter. The temperature rise limits of table Z101 for top surfaces and door surfaces are increased by 10K (EN 60335-2-9/A12)	See appended table	N/A
11.Z102	For contact grills, waffle irons, sandwich makers, radiant grills, raclette grills, griddles, the temperature rise limits for top surfaces in table Z101 apply. (EN 60335-2-9/A12)		N/A
	For contact grills, waffle irons, sandwich makers, radiant grills, raclette grills and griddles, barbecues, hot plates, candy floss, popcorn makers, the temperature rise limits in Table Z101 apply. The appliance is supplied at rated power and operated under normal operation. (EN 60335-2-9)		N/A
11.Z103	For breadmakers, the temperature rise limits for other surfaces in table Z101 apply. (EN 60335-2-9)		N/A
	For breadmakers and food dehydrators, the temperature rise limits in Table Z101 apply. The appliance is supplied at rated power and operated under normal operation. (EN 60335-2-9)		N/A
11.Z104	For toasters, the temperature rise limits in Table Z101 apply. The appliance is operated for three cycles at rated power and operated under normal operation. (EN 60335-2-9)		N/A
11.Z105	For roasters, the temperature rise limits in Table Z101 apply. The appliance is supplied at rated power and operated under normal operation. (EN 60335-2-9)		P

15.1.2	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		N/A
19.11.2	Appliances with electronic controls according to the fault conditions a) to f), with controls disabled. Heating elements don't switch on. (EN 60335-2-9)		P
20.2	Appliances are fully assembled as in normal operation without any parts removed. Tests by means of (EN 60335-2-9)		P
	a test probe similar to test probe B of 61032 but having a circular stop face with a diameter of 50 mm, instead of the non-circular face, applied with a force of 5 N; and		P
	Test probe 18 applied with a force of 2,5N		P
22.12	Handles, knobs, grips, levers and similar parts shall be fixed in a reliable manner so that they will not work loose in normal use if loosening could result in a hazard, including an ingestion or a choking hazard for vulnerable people (EN 60335-2-9)		P
24.1	Components comply with the safety requirements specified in the relevant standards as far as they reasonably apply		P
	The requirements of Clause 29 of this standard apply between live parts of components and accessible parts of the appliance.		P
	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		P
	Components that have not been previously tested or do not comply with the standard for the relevant component are tested according to the requirements of 30.2		P
	Components that have been previously tested and shown to comply with the resistance to fire requirements in the standard for the relevant component need not be retested provided that:		--
	- the severity specified in the component standard is not less than the severity specified in 30.2, and		P
	- the test report for the component states whether it complied with the standard for the relevant component with or without flame, flames not exceeding 2 s during the test are ignored		P
	Unless components have been previously tested and found to comply with the relevant standard for the number of cycles specified, they are tested in accordance with 24.1.1 to 24.1.9		P

	For components mentioned in 24.1.1 to 24.1.9, no additional tests specified in the relevant standard for the component are necessary other than those specified in 24.1.1 to 24.1.9		P
	Components that have not been separately tested and found to comply with the relevant standard, and		P
	components that are not marked or not used in accordance with their marking,		P
	are tested in accordance with the conditions occurring in the appliance, the number of samples being that required by the relevant standard		P
	Lamp holders and starter holders that have not been previously tested and found to comply with the relevant standard are tested as a part of the appliance and additionally comply with the gauging and interchangeability requirements of the relevant standard under the conditions occurring in the appliance		N/A
	Where the relevant standard specifies these gauging and interchangeability requirements at elevated temperatures, the temperatures measured during the tests of Clause 11 are used		N/A
	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		N/A
	with connectors and appliance inlets complying with the standard sheets of IEC 60320-1,		N/A
	if direct supply to these parts from the supply mains gives rise to a hazard		N/A
24.1.7	If 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		N/A
	Compliance with Clause 8 of this standard is not impaired by connecting the appliance to a device covered by EN 41003		N/A
24.Z1	For motor running capacitors (IEC 60252-1 type P2) with a metallic enclosure having an overpressure fuse the flame testing of internal plastic parts supporting current carrying connections as required in 30.2.2 and 30.2.3.1 is not necessary		N/A
25.6	Supply cords of single-phase portable appliances having a rated current not exceeding 16 A, fitted with a plug complying with the following standard sheets of IEC/TR 60083:		--
	- for Class I appliances: standard sheet C2b, C3b or C4.....:	C4	P

	- for Class II appliances: standard sheet C5 or C6		N/A
25.7	Rubber sheathed cords (60245 IEC 53) are not suitable for appliances intended to be used outdoors or when they are liable to be exposed to significant amount of ultraviolet radiation		N/A
	Halogen-free thermoplastic compound sheathed supply cords have properties at least those of:		--
	<ul style="list-style-type: none"> halogen-free thermoplastic compound sheathed cords (H03Z1Z1H2-F or H03Z1Z1-F), for appliances having a mass not exceeding 3 kg 		N/A
	<ul style="list-style-type: none"> halogen-free thermoplastic compound sheathed cords (H05Z1Z1H2-F or H05Z1Z1-F), for other appliances 		N/A
	Cross-linked halogen-free compound sheathed supply cords have properties at least those of cross-linked halogen-free compound sheathed cords (H07ZZ-F)		N/A
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 unless they are held in place near the terminals independently of the solder		P
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		N/A
32	Compliance regarding electromagnetic fields is checked according to EN 62233		P
Annex I, 19.1.101	The appliance is supplied at rated voltage and operated under normal operation with each of the fault conditions specified		N/A
	The duration of the test is as specified in 19.7		N/A

ZA	ANNEX ZA (NORMATIVE) SPECIAL NATIONAL CONDITIONS		--
	Norway		N/A
19.5	The test is also applicable to appliances intended to be permanently connected to fixed wiring		N/A
	Norway		N/A

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		N/A
	All CENELEC countries		P
25.6 and 25.25	Information concerning National plug and socket-outlets is available from the CENELEC website. Normative national requirements concerning plug and socket-outlets are shown in the relevant National standard		P
	Ireland and United Kingdom		N/A
25.8	In the table, the lines for 10 A and 16 A are replaced by:		--
	> 10 and ≤ 13 1,25		N/A
	> 13 and ≤ 16 1,5		N/A
ZB	ANNEX ZB (INFORMATIVE) A-DEVIATIONS		--
	Ireland		N/A
25.6	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		N/A
	United Kingdom		P
25.6	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. It also allows plugs to BS 4573 and EN 50075 to be fitted to shavers and toothbrushes		P
ZC	ANNEX ZC (NORMATIVE) NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR CORRESPONDING EUROPEAN PUBLICATIONS		--
	A list of referenced documents in this standard		P
ZD	ANNEX ZD (INFORMATIVE) IEC and CENELEC CODE DESIGNATIONS FOR FLEXIBLE CORDS		--
	A table with IEC and CENELEC code designations for flexible cords		P

ZE	ANNEX ZE (INFORMATIVE) SPECIFIC ADDITIONAL REQUIREMENTS FOR APPLIANCES AND MACHINES INTENDED FOR COMMERCIAL USE		--
7.1	Business name and full address of the manufacturer and, where applicable, his authorized representative		N/A
	Model or type reference.....		N/A
	Serial number, if any		N/A
	Production year		N/A
	Designation of the appliance		N/A
7.12	Instructions provided with the appliance so that the appliance can be used safely		N/A
	The instructions contain at least the following information:		--
	- the business name and full address of the manufacturer and, where applicable, his authorized representative		N/A
	- model or type reference of the appliance as marked on the appliance itself, except for the serial number		N/A
	- the designation of the appliance together with its explanation in case it is given by a combination of letters and/or numbers		N/A
	- the general description of the appliance, when needed due to the complexity of the appliance		N/A
	- specific precautions if required during installation, operation, adjusting, user maintenance, cleaning, repairing or moving		N/A
	- when needed drawings, diagrams, descriptions and explanations necessary for the safe use and user maintenance of the appliance		N/A
	- the possible reasonably foreseeable misuse and, whenever relevant, a warning against the effects it may have on the safe use of the appliance		N/A
	The words "Original instructions" appear on the language version(s) verified by the manufacturer or by the authorized representative		N/A
	When a translation of the original instructions has been provided by a person introducing the appliance on the market; the meaning of the sentence "Translation of the original instructions" appear in the relevant instructions delivered with the appliance		N/A

	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		N/A
	The instructions indicate the type and frequency of inspections and maintenance required for safe operation including the preventive maintenance measures		N/A
7.12.ZE1	If needed for specific appliances, the following information to be given:		--
	<ul style="list-style-type: none"> 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 		N/A
	<ul style="list-style-type: none"> on how to maintain adequate mechanical stability when in use, during transportation, assembly, dismantling, scrapping and any other action involving the appliance 		N/A
	<ul style="list-style-type: none"> on the protective measures to be taken by the user, including, where appropriate, the personal protective equipment to be provided 		N/A
	<ul style="list-style-type: none"> 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 		N/A
	<ul style="list-style-type: none"> on the specifications on the spare parts to be used, when these affect the health and safety of the operator 		N/A
	<ul style="list-style-type: none"> on airborne noise emissions, determined and declared in accordance with the relevant Part 2, which includes: 		--
	- the A-weighted emission sound pressure level at workstations, where this exceeds 70 dB(A).....;		N/A
	- where this level does not exceed 70 dB(A), this fact is indicated		N/A
	- the peak C-weighted instantaneous sound pressure value at workstations, where this exceeds 63 Pa (130 dB in relation to 20 µPa)		N/A
	- the A-weighted sound power level emitted by the machinery, where the A-weighted emission sound pressure level at workstations exceeds 80 dB(A).....:		N/A

7.12.ZE2	The instructions includes a warning to disconnect the appliance from its power source during service and when replacing parts		N/A
	If the removal of the plug is foreseen, it is clearly indicated that the removal of the plug has to be such that an operator can check from any of the points to which he has access that the plug remains removed		N/A
	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		N/A
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		N/A
	a manual operation is required to restart it		N/A
20.1	Appliances and their components and fittings have adequate mechanical stability during transportation, assembly, dismantling and any other action involving the appliance		N/A
20.2	Dangerous moving transmission parts safeguarded either by design or guards		N/A
	When guards are used, they are fixed guards, interlocking movable guards or protective devices		N/A
	Moving parts directly involved in the function of the appliance which cannot be made completely inaccessible fitted with:		--
	- fixed guards or interlocking movable guards preventing access to those sections of the parts that are not used in the work, and		N/A
	- adjustable guards restricting access to those sections of the moving parts where access is necessary		N/A
	Interlocking movable guards used where frequent access is required		N/A
21.1	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		N/A
22.ZE.1	For appliances provided with a seat, the seat gives adequate stability		N/A
	The distance between the seat and the control devices capable of being adapted to the operator		N/A
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		N/A

	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		N/A
22.ZE.3	Appliances designed in such a way that incorrect mounting is avoided, if this can lead to an unsafe situation		N/A
	If this is not possible, information on the correct mounting is given directly on the part and/or the enclosure		N/A
22.ZE.4	Where the weight, size or shape prevents appliances from being moved manually, they are fitted with attachments for lifting gear, or		N/A
	so designed that they can be fitted with such attachments, or		N/A
	be shaped in such a way that standard lifting gear can easily be used		N/A
	Appliances to be moved manually are constructed or equipped so that they can be moved easily and safely		N/A
22.ZE.5	The fixing systems of fixed guards which prevent access to dangerous moving transmission parts only removable with the use of tools		N/A
	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		N/A
	Where possible, guards are incapable of remaining in place without their fixings		N/A
	This does not apply if, after removal of the screws, or if the component is incorrectly repositioned, the appliance becomes inoperative		N/A
	Movable guards are interlocked		N/A
	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		N/A
	Where it is possible for an operator to reach the danger zone before the risk due to hazardous appliance functions has ceased, movable guards associated with a guard locking device in addition to an interlocking device that:		--
	- prevents the start of hazardous appliance functions until the guard is closed and locked, and		N/A
	- keeps the guard closed and locked until the risk of injury from the hazardous appliance functions has ceased		N/A
	Interlocking movable guards remain attached to the appliance when open, and		

	they are designed and constructed in such a way that they can be adjusted only by means of an intentional action		N/A
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		N/A
	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		N/A
	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		N/A
	After these tests the interlock system is fit for further use		N/A
22.ZE.7	Adjustable guards restricting access to areas of the moving parts strictly necessary for the work are:		--
	- adjustable manually or automatically, depending on the type of work involved, and		N/A
	- readily adjustable without the use of tools		N/A
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		N/A
	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		N/A
22.ZE.9	Appliances fitted with means to isolate them from all energy sources		N/A
	Such isolators are clearly identified, and		N/A
	they are capable of being locked if reconnection endanger persons		N/A
	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		N/A
ZF	ANNEX ZF (INFORMATIVE) CRITERIA APPLIED FOR THE ALLOCATION OF PRODUCTS COVERED BY STANDARDS IN THE EN 60335 SERIES UNDER LVD OR MD		--
	List of standards under CENELEC/TC61 with the allocation under the LVD (Low Voltage Directive) or the MD (Machinery Directive)	LVD	P

ZG	ANNEX ZG (NORMATIVE) UV APPLIANCES		--
	The following modifications to this standard apply to appliances having UV emitters		N/A
	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		N/A
7.12.ZG	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		N/A
32	For appliances incorporating UV emitters the manufacturer delivers a declaration providing evidence that the plastic material exposed to the radiation is UV resistant		N/A
ZZ	ANNEX ZZ (INFORMATIVE) COVERAGE OF ESSENTIAL REQUIREMENTS OF EC DIRECTIVES		--
	Description of the relation between this European standard and the LVD (Low Voltage Directive, 2006/95/EC) and the MD (Machinery Directive, 2006/42/EC)	Low Voltage Directive 2014/35/EU	P

Annex EN 62233:2008			
Clause	Requirement + Test	Result - Remark	Verdict
EMF- ELECTROMAGNETICS FIELDS			
	The tested product also complies with the requirements of EN 62233:2008		--
	Limit100%	Measured max. :4,470%	P

EN 60335-2-9 /A12

11.Z101	TABLE: Temperature rise limits for surfaces	N/A
	Ambient (°C) :	—
	Test voltage (V) :	—
	dT (K)	Max. dT (K)
Top surfaces and doors surfaces	—	—
Metal and painted metal	—	85
Vitreous-enamelled metal	—	95
Glass and ceramic	—	95
Plastic having a thickness exceeding 0,3mm	—	105
Other surfaces	—	—
Metal and painted metal	—	60
Vitreous-enamelled metal	—	65
Glass and ceramic	—	65
Plastic having a thickness exceeding 0,3mm	—	80

EN 60335-1:2012/A11:2014

Clause	Requirement – Test	Result - Remark	Verdict
7	Marking and instructions		--
7.14	In NOTE Z1, replace "IEC 82079-1" by "EN 82079-1".		P

EN 60335-1:2012/ A13:2017+A1:2019+A14:2019+A2:2019			
7.10	A push-push button switch used for start and stop the operation shall not be used for other functions such as changing the motor speed.		N/A
	For hand-held appliances with rated power input 50 W or lower it is acceptable to have a push-push button for different functions including on / off if there is an immediate feedback to the user e.g. by tactile feedback or audible and visible feedback.		N/A
	Where a push button can cycle through various modes during a prolonged push this is allowed as long as the appliance will switch off with a single short push action.		N/A
	Audible feedback is any audible response got immediately after the operation of the switch. The click of a switch can be accepted as an audible feedback provided that it is originated inside the switch that is operated and can be heard at a distance of 77 cm from the switch. The sound of the motor is regarded as an audible feedback.		P
	Constructions with switches that have two different stable positions (meaning that it can be seen or felt when they have been pressed or rotated) are considered to have a tactile feedback.		P
8.1.1	Also test probe 18 of EN 61032 is applied		P
	The appliance being in every possible position during the test, except that		P
	appliances normally used on the floor and having a mass exceeding 40 kg are not tilted		N/A
	The force on the probe in the straight position is increased to 10 N when probe 18 is used		P
	When using test probe 18 the appliance is fully assembled as in normal use without any parts removed, and		P
	parts intended to be removed for user maintenance are also not removed		P
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		N/A
15.1.2	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		N/A

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		N/A
	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		P
	When using test probe 18 it is applied with a force of 2,5N on the appliance fully assembled		P
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		P
22.17	The requirement is not applicable to built-in appliances		N/A
24.1	Components comply with the safety requirements specified in the relevant EN standards as far as they reasonably apply		P
	Motors are not required to comply with EN 60034-1, but tested as part of the appliance according to this standard		P
	Relays are tested as part of the appliance according to this standard		P
	Relays may be alternatively tested to EN 60730-1 and the additional requirements in EN 60335-1		P
	The requirements of Clause 29 of this standard apply between live parts of components and accessible parts of the appliance		P
	Components may comply with the requirements for clearances and creepage distances for functional insulation as specified in the relevant component standard		P
	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		P
	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		P
	Components that have been tested and shown to comply with the resistance to fire requirements in the EN standard for the relevant component need not be retested provided that:		--
	- the severity specified in the component standard is not less than the severity specified in 30.2, and		P
	- the test report for the component states the values of t_e and t_i acc. to EN 60695-2-11		P

	If the above two conditions are not satisfied, the component is tested as part of the appliance		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		N/A
	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		P
	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		P
	Components that have not been tested and found to comply with the relevant EN standard, and		P
	components that are not marked or not used in accordance with their marking,		P
	are tested in accordance with the conditions occurring in the appliance, the number of samples being that required by the relevant standard		P
	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		N/A
	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		P
	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		N/A
	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		N/A
	with connectors and appliance inlets complying with the standard sheets of EN 60320-1, if		N/A
	direct supply to these parts from the supply mains gives rise to a hazard		N/A
	For plugs used in CENELEC countries Annex ZH applies		P
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		N/A

25.1	Plugs and pins for insertion into socket outlets follow the relevant standards sheets in Annex ZH		P
25.7	Rubber sheathed cords (60245 IEC 53) are not suitable for appliances intended to be used outdoors, or	Not for out-door use	N/A
	when they are liable to be exposed to significant amount of ultraviolet radiation		N/A
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		P
	Common plugs and socket-outlets types in CENELEC countries as shown in Annex ZH		P
32	Compliance regarding electromagnetic fields is checked according to EN 62233		P
ZA	ANNEX ZA (NORMATIVE) SPECIAL NATIONAL CONDITIONS (EN)		--
	Denmark, Sweden, Norway and Finland		N/A
7.12.8	The maximum inlet water pressure is at least 1,0 MPa		N/A
	Denmark		N/A
22.47	The maximum inlet water pressure is at least 1,0 MPa		N/A
	Ireland and United Kingdom		N/A
25.8	In the table, the line >10 A and ≤16 A is replaced with:		
	> 10 and ≤ 13 1,25 (1,0) ^b		N/A
	> 13 and ≤ 16 1,5 (1,0) ^b		N/A
	United Kingdom		--
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.		P
	It also allows plugs to BS 4573 and EN 50075 to be fitted to shavers and toothbrushes		P

ZC	ANNEX ZC (NORMATIVE) NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR CORRESPONDING EUROPEAN PUBLICATIONS		--
	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		P
ZD	ANNEX ZD (INFORMATIVE) IEC and CENELEC CODE DESIGNATIONS FOR FLEXIBLE CORDS		--
	List of IEC and CENELEC code designations for flexible cords		P
ZF	ANNEX ZF (INFORMATIVE) CRITERIA APPLIED FOR THE ALLOCATION OF PRODUCTS COVERED BY STANDARDS IN THE EN 60335 SERIES UNDER LVD OR MD		--
	List of standards under CENELEC/TC61 with the allocation under the LVD (Low Voltage Directive) or the MD (Machinery Directive)..... :	LVD	P
ZH	ANNEX ZH (INFORMATIVE) Common plug and socket-outlet types in CENELEC countries		--
	In general, supply cords of single-phase appliances having a rated current not exceeding 16 A are fitted with a plug complying with the following standard sheets:		--
	- for class I appliances or class II appliances with functional earth, standard sheet EU2, EU3 or EU4 :	EU4	P
	- for class II appliances, standard sheet EU5, EU6 or EU7 :		N/A
	There are exemptions or differences in certain CENELEC countries		P
ZI	ANNEX ZI (INFORMATIVE) Information on the application of A11:2014 to EN 60335-1:2012 CENELEC CLC/TC 61(SEC)2096A		--
	Clarification of the application of parts 2 in conjunction with the 2002 or 2012 version of EN 60335-1		P
ZZA	ANNEX ZZA (INFORMATIVE) RELATIONSHIP BETWEEN THIS EUROPEAN STANDARD AND THE SAFETY OBJECTIVES OF DIRECTIVE 2014/35/EU [2014 OJ L96] AIMED TO BE COVERED		--
	This standard provides one means of conforming to safety objectives of Directive 2014/35/EU		P

	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		P
	Compliance with this Part 1 when used together with the relevant Part 2 provides one means of conformity with the safety objectives		P
ZZB	ANNEX ZZB (INFORMATIVE) RELATIONSHIP BETWEEN THIS EUROPEAN STANDARD AND THE ESSENTIAL REQUIREMENTS OF DIRECTIVE 2006/42/EC AIMED TO BE COVERED		--
	This standard provides one means of conforming to essential requirements of EU Directive 2006/42/EC		N/A
	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		N/A
	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		N/A

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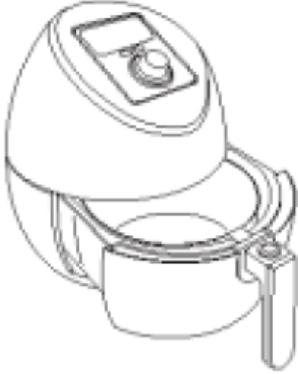
22.44	In sub Clause 22.44, replace the text by the following:		-
	An appliance is child-appealing if one of the following criteria is present:		N/A
	— appliance decorated using faces, cartoon like characters, or similar images		N/A
	— appliance using shapes representing animals, characters, persons or scale models.		N/A
	An appliance is child-appealing if more than one of the following criteria are present:		N/A
	— using non-functional light (functional light is e.g. illumination of an object or area, signal indicating status of an appliance);		N/A
	— using non-functional sound (e.g. music);		N/A
	— using non-functional movement.		N/A
	If the appliance is child-appealing, has a mass less than 4 kg or is mounted or normally intended for use at a height less than 850 mm, the following conditions shall be met:		N/A

	— No surface (both functional surfaces and non-functional) that are accessible by means of test probe 19 of IEC 61032 located at a height less than 850 mm shall exceed the temperature rises stated below: Temperature rise – of bare metal 38K – of coated metal 42K – of glass and ceramic 51K – of plastic having a thickness exceeding 0,4 mm 58K		N/A
	— Hazardous moving parts shall not be accessible by means of test probe 19 of IEC 61032 under the conditions specified for test probe 18 in Clause 20.2		N/A
	— Live parts shall not be accessible by means of test probe 19 of IEC 61032 under the conditions specified for test probe 18 in Clause 8.1.1		N/A
	— Liquid in the appliance shall not exceed 38 °C in normal use when it is accessible by means of test probe 19 under the conditions specified for test probe 18 in Clause 20.2 or can get out of the appliance when positioned in different positions. Vessels in which two independent and sequential actions are needed to access the liquid are considered to meet the requirement.		N/A
	— The requirement of 22.12 is applicable for all accessible parts of the appliance		N/A
	The requirement is not applicable to appliances where there is a toy shaped like the appliance.		N/A
	NOTE Z1 An example of a toy shaped like an appliance is a toy refrigerator.		N/A
	Compliance is checked by inspection and appropriate tests.		N/A
24.1.7	Replace the sub clause with the following:		--
	If the remote operation of the appliance is via a telecommunication network, the relevant standard for the telecommunication interface circuitry in the appliance is IEC 62151.		N/A

Appendix 3

1.16 Heißluft-Röstgeräte (Heißluftfritteuse) zum Hausgebrauch / Hot air circulation roaster for household use

EN 60335-2-9

<p>Foto:</p> <p><i>Photo:</i></p>									
<p>Zertifizierungsentscheidung:</p>	<p>Lüftungsöffnungen werden zur Entlüftung des Garraumes aus technischer Notwendigkeit auch an anderen Stellen als an der Vorderseite toleriert. Für die angrenzende Oberfläche, um die Abluftöffnung kann die 25 mm Regel angewendet werden</p> <p>Heißluft-Röstgeräte werden mit einem Becher gefüllt mit 0,1 Liter Wasser geprüft. Das Gerät wird mit der höchsten Temperatureinstellung betrieben.</p> <p>Das Gerät wird für 60 min oder die maximale durch einen Zeitschalter erlaubte Zeit betrieben, je nachdem, was länger ist.</p> <p>Heißluft-Röstgeräte werden mit ihren Rückseiten so nahe wie möglich an eine der Wände der Prüfecke und entfernt von der anderen Wand aufgestellt.</p> <p>Heißluft-Röstgeräte werden, wie in 11.2 festgelegt, aufgestellt. Die Geräte werden mit Bemessungsaufnahme gespeist und im Normalbetrieb betrieben.</p> <p>Grenzen für die Temperaturerhöhung von berührbaren Oberflächen in K</p> <table border="0"> <tr> <td>Blankes Metall</td> <td>45</td> </tr> <tr> <td>Beschichtetes Metalle</td> <td>55</td> </tr> <tr> <td>Glas und Keramik</td> <td>60</td> </tr> <tr> <td>Kunststoff und Kunststoffbeschichtungen > 0,4 mm</td> <td>65</td> </tr> </table>	Blankes Metall	45	Beschichtetes Metalle	55	Glas und Keramik	60	Kunststoff und Kunststoffbeschichtungen > 0,4 mm	65
Blankes Metall	45								
Beschichtetes Metalle	55								
Glas und Keramik	60								
Kunststoff und Kunststoffbeschichtungen > 0,4 mm	65								
<p>Decision for certification:</p>	<p><i>Ventilation openings for exhausting the muffle are also accepted at other areas than the front side if a technical rational is behind. For the surface around the exhaust air outlet the 25 mm rule can be used</i></p> <p><i>Hot air circulation roaster are tested with a cup filled with 0,1 Liter of water. The Appliance is operated on highest setting of the temperature. It is operated for a period of 60 min or for the maximum period allowed by a timer, whichever is the longer.</i></p> <p><i>Hot air circulation roaster is placed with their backs as near as possible to one of the walls of the test corner and away from the other wall.</i></p> <p><i>Hot air circulation roaster are placed as specified in 11.2 and operated under normal operation. Hot air circulation roaster is supplied at rated power input.</i></p>								

	<p><i>Temperature rises for external surfaces</i></p> <table border="0"> <tr> <td><i>Bare metal</i></td> <td><i>45</i></td> </tr> <tr> <td><i>Coated metal e</i></td> <td><i>55</i></td> </tr> <tr> <td><i>Glass and ceramic</i></td> <td><i>60</i></td> </tr> <tr> <td><i>Plastic and plastic coating > 0,4 mm</i></td> <td><i>65</i></td> </tr> </table>	<i>Bare metal</i>	<i>45</i>	<i>Coated metal e</i>	<i>55</i>	<i>Glass and ceramic</i>	<i>60</i>	<i>Plastic and plastic coating > 0,4 mm</i>	<i>65</i>
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<i>Plastic and plastic coating > 0,4 mm</i>	<i>65</i>								

Appendix 4:

Test used	Equipment name / model	Equipment ID	Last Calibration date	Calibration due date
✓	Caliper	B1040199SH	10-Nov-24	09-Nov-25
	Caliper	B1040186SH	8-Jun-24	7-Jun-25
	Caliper	B1040185SH	8-Jun-24	7-Jun-25
	Caliper	B1040179SH	8-Jun-24	7-Jun-25
	Caliper	B1040124SH	8-Jun-24	7-Jun-25
✓	Stopwatch	B2040028SH	10-Nov-24	09-Nov-25
	Test Probe (IEC60529 test probe 1A)	F2000005SH	20-Dec-23	19-Dec-25
	Test finger (IEC61032 test probe B)	F2000746SH	6-Jun-24	5-Jun-25
✓	Test finger (IEC61032 test probe B)	F2000789SH	20-Dec-24	19-Dec-25
✓	Test finger nail	F2000715SH	15-Sep-24	14-Sep-25
✓	Test probe (IEC61032 test probe 41)	F2000640SH	20-Dec-24	19-Dec-25
✓	Short test pin (IEC61032 test probe 13)	F2000741SH	3-Mar-25	2-Mar-26
	Short test pin (IEC61032 test probe 13)	F2000773SH	17-Dec-24	18-Dec-25
	Test finger (IEC61032 test probe B with 125mm circle stop)	F2000765SH	3-Mar-25	2-Mar-26
✓	Push & pull scale	B3040114SH	13-Nov-24	12-Nov-25
✓	Push & pull scale	B3040125SH	13-Nov-24	12-Nov-25
✓	Impact hammer	B3040122SH	13-Oct-24	12-Oct-25
✓	Torque screwdriver kit(0,6-2.6N.m)	B3080060SH	2-Sep-24	1-Sep-25
	Torque screwdriver kit(0,1-0.6N.m)	B3080098SH	13-Nov-24	12-Nov-25
✓	Child test finger (IEC61032 test probe 18)	F2000772SH	6-Jun-24	5-Jun-25
✓	Child test finger (IEC61032 test probe 18)	F2000147SH	6-Jun-24	5-Jun-25
	Test probe (IEC/EN 60335-2-25, Fig.101)	F2000133SH	19-Nov-24	18-Nov-25
	Test Probe ((IEC/EN 60335-2-14, 20.103)	F2000140SH	19-Nov-24	18-Nov-25
✓	Torque tester for cord anchorage test	B3080001SH	6-Jun-24	5-Jun-25
	Indicator with 42 V	F4000143SH	no need calibration	
	Test probe (IEC60335-2-6 test probe 12)	F2000771SH	19-Nov-24	18-Nov-25
✓	Ruler	B1040083SH	27-Jul-24	26-Jul-25
	Balance	B3041012SH	28-Aug-24	27-Aug-25

✓	Stability tester	G4000124SH	no need calibration	
	Weight for impact for induction hob	F4000491SH	8-Jun-24	7-Jun-25
	Test gauge (IEC/EN 60335-2-16 Figure 14)	F4000578SH	6-Jun-24	5-Jun-25
	Test gauge (IEC/EN 60335-2-16 CL.20 D:223mm)	F4000579SH	4-Jul-24	4-Jul-25
	Test gauge (IEC/EN 60335-2-16 CL.20 D:7mm)	F4000580SH	4-Jul-24	4-Jul-25
	Test gauge (IEC/EN 60335-2-116 CL.22)	F4000581SH	4-Jul-24	4-Jul-25
	Test gauge (IEC/EN 60335-2-16 CL.20)	F4000585SH	2-Jul-24	2-Jul-25
	Heating Zone impactor(EN 60335-2-9;EN 60335-2-6;EN 60335-2-36)	F4000490SH	8-Jun-24	7-Jun-25
	Heating Zone impactor(EN 60335-2-9;EN 60335-2-6;EN 60335-2-36)	F4000491SH	8-Jun-24	7-Jun-25
	Steel plate(IEC 60335-2-2 Cl.21.101)	F4000291SH	15-Feb-25	14-Feb-26
	Steel plate(IEC 60335-2-2 Cl.21.101)	F4000292SH	15-Feb-25	14-Feb-26
	Cylindrical receptacle(IEC 60335-2-35 Clause 22.108)	F4000199SH	15-Sep-24	14-Sep-25
	Set of wooden cube(IEC60335-2-25 clause 21.103)	F4000177SH	13-Oct-24	12-Oct-25
	Hardwood dowel(IEC60335-2-25 clause 21.105)	F4000178SH	4-Jul-24	3-Jul-25
	Polyethylene disks(IEC 60335-2-5 Clause 22.103)	F4000200SH	15-Sep-24	14-Sep-25
	Apparatus for spillage test(IEC 60335-2-24 Figure 101)	F4000203SH	15-Sep-24	14-Sep-25
	Detail of scratching tool tip(IEC 60335-2-24 Figure 102)	F4000218SH	19-Nov-24	18-Nov-25
✓	Ohmmeter	A1300011SH	6-Jun-24	5-Jun-25
✓	Earthing continuity tester	A6620008SH	28-Aug-24	27-Aug-25
	AC power supply	A7040056SH	2-Jul-24	1-Jul-26
	Numeric multimeter	A1240127SH	7-Jun-24	6-Jun-25
	Data acquisition/switch unit	A7440029SH	20-Dec-24	19-Dec-25
	Test corner	G2000012SH	no need calibration	
	AC power supply	A7040050SH	20-Mar-23	19-Apr-25
	Numeric multimeter	A1240056SH	20-Dec-24	19-Dec-25
	Data acquisition/switch unit	A7440025SH	20-Dec-24	19-Dec-25
	Test corner	G2000151SH	no need calibration	
✓	AC power supply	A7040011SH	27-Mar-25	26-Mar-26
✓	Numeric multimeter	A1240077SH	28-Aug-24	27-Aug-25

✓	Data acquisition/switch unit	A7440023SH	28-Aug-24	27-Aug-25
✓	Test corner	G2000271SH	no need calibration	
✓	Heating cabinet	D1020012SH	28-Aug-24	27-Aug-25
✓	Ball pressure	F2000003SH	1-Apr-25	30-Mar-26
✓	Microscope	B1040134SH	6-Mar-25	5-Mar-26
✓	Glow-wire test apparatus	G4000121SH	28-Aug-24	27-Aug-25
✓	Needle flame test apparatus	G4000123SH	20-Dec-24	19-Dec-25
✓	Tracking test apparatus	G2000252SH	8-Nov-24	7-Nov-25
	Apparatus for IPX3/4	D1080051SH	20-Dec-24	19-Dec-25
	Drip box for IPX1/2	D1080003SH	3-Mar-25	2-Mar-26
✓	Leakage current tester	A1060003SH	6-Jun-24	7-Jun-25
✓	Withstanding voltage tester	A6600012SH	6-Jun-24	7-Jun-25
	Cable flexing apparatus	G2000228SH	28-Aug-24	27-Aug-25
	Oscilloscope	A4089049SH	28-Aug-24	27-Aug-25
✓	RH chamber	D1080039SH	28-Aug-24	27-Aug-25
✓	AC power supply for RH chamber	A7040094SH	04-Jan-25	03-Jan-26
	AC power supply for RH chamber	A7040095SH	04-Jan-25	03-Jan-26
	Power hitester for RH chamber	A1240111SH	27-Feb-25	26-Feb-26
	Power hitester for RH chamber	A1240112SH	27-Feb-25	26-Feb-26
	Data acquisition/switch unit	A7440037SH	13-Sep-24	12-Sep-25
✓	Angle metre	B1060014SH	9-Jan-25	8-Jan-26