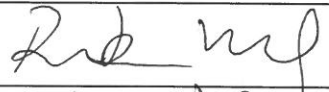





Test Report issued under the responsibility of:



TEST REPORT IEC 60335-2-6 Safety of household and similar electrical appliances Part 2: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances	
Report Number :	CN23RNUP 001
Date of issue :	2024-01-19
Total number of pages	125
Name of Testing Laboratory preparing the Report	Waltek Testing Group (Foshan) Co., Ltd.
Applicant's name	HANGZHOU DE&E SMART HOME CO.,LTD
Address :	No. 98, Hongxing Road, Qiaonan Block, Xiaoshan Economic and Technological Development Zone, Hangzhou City, Zhejiang, P.R. China
Test specification:	
Standard	IEC 60335-2-6:2014, AMD1:2018 in conjunction with IEC 60335-1:2010, COR1:2010, COR2:2011, AMD1:2013, COR1:2014, AMD2:2016, COR1:2016
Test procedure	CB Scheme
Non-standard test method	N/A
Test Report Form No.	IEC60335_2_6R
Test Report Form(s) Originator :	LCIE
Master TRF	Dated 2018-08-10
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Test item description	Steam & Grill Combi Oven (Built-in oven)	
Trade Mark	DE&E	
Manufacturer	Same as applicant	
Model/Type reference	ZK5770	
Ratings	220-240V~, 50/60Hz, 3000W, Class I	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	Waltek Testing Group (Foshan) Co., Ltd.
Testing location/ address	No. 13-19, 2/F, 2nd Building, Sunlink International Machinery City, Chencun Town, Shunde District, Foshan, Guangdong, China	
Tested by (name, function, signature)	Engineer: Rock Weng	
Approved by (name, function, signature) ...	Reviewer: Shayne Xiang	
<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) :		

<p>List of Attachments (including a total number of pages in each attachment): Photo documentation (33 pages)</p>	
<p>Summary of testing:</p>	
<p>Tests performed (name of test and test clause):</p> <ol style="list-style-type: none"> 1. The samples were tested and found to be complied with the requirements of standards listed in this report. 2. All applicable tests were carried out on model ZK5770. 3. Construction for all alternative components listed in table 24.1 was considered in this report. 	<p>Testing location: Waltek Testing Group (Foshan) Co., Ltd. No. 13-19, 2/F, 2nd Building, Sunlink International Machinery City, Chencun Town, Shunde District, Foshan, Guangdong, China</p>
<p>Summary of compliance with National Differences (List of countries addressed): N/A</p>	

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.

DE&E**STEAM & GRILL COMBI OVEN**

Product Name	Steam & Grill Combi Oven
Model Name	ZK5770
Rated Voltage	220-240V~
Rated Power	3000W
Rated Frequency	50/60Hz
Capacity	70L
Safety Level	Class I

Test item particulars:	
Classification of installation and use: Built-in appliance and household indoor use	
Supply Connection: Fixed power cord with plug (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: 2023-12-01	
Date (s) of performance of tests: 2023-12-01 to 2024-01-03	
General remarks:	
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.	
Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.	
Remark: Multinational plugs have been listed as alternative components in table of clause 24.1. However, there are no national requirement considered in this test report.	
Manufacturer's Declaration per sub-clause 4.2.5 of IEC 60335-2-69:	
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) : Same as applicant	
General product information and other remarks:	
The appliance is built-in Steam & Grill Combi Oven for household and indoor use.	

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
5	GENERAL CONDITIONS FOR THE TESTS		--
	Tests performed according to clause 5, e.g. nature of supply, sequence of testing, etc.		P
5.3	Addition: for pyrolytic self-cleaning ovens, the tests of 22.108 to 22.111 are carried out before the tests of Clause 19 (IEC 60335-2-6)		N/A
5.4	Addition: appliances that also use gas are supplied with gas at the appropriate rated pressure. Vessels having a diameter of approximately 220mm are filled with 2 l of water, covered with a lid and placed on the hob burners. The controls are adjusted so that the water simmers, water being added when necessary to maintain the level (IEC 60335-2-6)		N/A
5.101	Class III temperature-sensing probes are only subjected to the tests of Clause 19 (IEC 60335-2-6)		N/A
5.102	Steam convection ovens are tested as ovens. (IEC 60335-2-6)		P
6	CLASSIFICATION		--
6.1	Protection against electric shock: Class I, II, III(IEC 60335-2-6):	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		N/A
	Ovens for open deck use shall be IPX6. (IEC 60335-2-6)		N/A
7	MARKING AND INSTRUCTIONS		--
7.1	Rated voltage or voltage range (V)..... :	220-240V	P
	Symbol for nature of supply, or..... :	~	P
	Rated frequency (Hz)..... :	50/60Hz	P
	Rated power input (W), or..... :	3000W	P
	Rated current (A) :		N/A
	For induction hob elements and induction wok elements (IEC 60335-2-6) total rated power input or rated current		N/A
	For pressure steam ovens (IEC 60335-2-6) rated cooking pressure in kilopascals (kPa).		N/A
	Manufacturer's or responsible vendor's name, trademark or identification mark :	See marking plate	P
	Model or type reference :	ZK5770	P

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	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
	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
	Marking of the rated current of the fuse other than D-type fuse for cooking ranges incorporate a socket-outlet. (IEC 60335-2-6)		N/A
	Marking of the rated current of the fuse other than D-type fuse (IEC 60335-2-6)		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		P
	Different rated values marked with the values separated by an oblique stroke		P
7.4	Appliances adjustable for different rated voltages or rated frequencies, the voltage or the frequency setting is clearly discernible		N/A
	Requirement met if frequent changes are not required and the rated voltage or rated frequency 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 or current are 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

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
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
	Symbol IEC 60417-5010: ON/OFF (push-push) (IEC 60335-2-6)		N/A
	Symbol IEC 60417-6059: Caution, possibility of tilting (IEC 60335-2-6)		N/A
	Symbol IEC 60417-6060: Anti-tip restraints (IEC 60335-2-6)		N/A
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:		P
	- 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
	Flexible induction cooking zone switches, touch controls, displays and the like shall be marked or placed so as to indicate clearly as to which vessel is assigned to which switch, touch control, display or the like. (IEC 60335-2-6)		N/A
7.10	Indications of switches on stationary appliances and controls on all appliances by use of figures, letters or other visual means	By use of figures, letters and symbols.	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

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	The figure 0 indicates OFF position and figure I indicates ON position of touch controls for hobs or (IEC 60335-2-6)		N/A
	for each hob element (IEC 60335-2-6)		N/A
	If the same touch control is used for switching on and off, symbol IEC 60417-5010 (2002-10) can be used. (IEC 60335-2-6)		N/A
7.11	Indication for direction of adjustment of controls		P
7.12	Instructions for safe use provided		P
	Details concerning precautions during user maintenance		P
	The instructions state that:		P
	- 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
	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
	Instructions shall include the following: (IEC 60335-2-6)		P
	Warning: If the surface is cracked, switch off the appliance to avoid the possibility of electric shock, for hob surfaces of glass-ceramic or similar material which protect live parts		N/A
	During use the appliances becomes hot. Care should be taken to avoid touching heating elements inside the oven, for cooking ranges and ovens		P
	Instructions for ovens: (IEC 60335-2-6)		P
	Warning: Accessible parts may become hot during use. Young children should be kept away.		P

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	Instructions for ovens having doors with glass panels:	(IEC 60335-2-6)	P
	Do not use harsh abrasive cleaners or sharp metal scrapers to clean the oven door glass since they can scratch the surface, which may result in shattering of the glass.		P
	If during the test of Clause 11, the temperature rise at the centre of the internal bottom surface of a storage drawer exceeds that specified for handles held for short periods in normal use, the instruction shall state that these surfaces can get hot.		P
	The instructions of pressure steam ovens shall include the substance of the following: The ducts in the pressure regulator allow the escape of steam, so these ducts should be regularly checked to ensure that they are not blocked. (IEC 60335-2-6)		N/A
	The instructions of pressure steam ovens shall also give details on how to open the door safely. (IEC 60335-2-6)		N/A
	The instructions of pressure steam ovens shall include the substance of the following warning: WARNING: Do not open drain cocks or other emptying devices until the pressure has been reduced to approximately atmospheric pressure. (IEC 60335-2-6)		N/A
	Instructions for pyrolytic self-cleaning ovens shall:	(IEC 60335-2-6)	N/A
	- state that excess spillage must be removed before cleaning		N/A
	- specify which utensils can be left in the oven during cleaning		N/A
	Instructions shall state for cleaning used to set the controls to a position higher than for normal cooking purposes:	(IEC 60335-2-6)	N/A
	- that under such conditions the surfaces may be get hotter than usual		N/A
	- children should be kept away		N/A
	Instructions for ovens incorporating a fan with a guard that can be removed for cleaning shall state that:	(IEC 60335-2-6)	N/A
	- the oven must be switched off before removing the guard and		N/A
	- after cleaning, the guard must be replaced in accordance with instructions		N/A
	Instructions for ovens provided with a facility to use a temperature-probe shall include the following:	(IEC 60335-2-6)	N/A
	-Only use the temperature probe recommended for this oven		N/A
	The instructions for ovens that have shelves shall include details indicating the correct installation of the shelves. (IEC 60335-2-6)		P

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	Instructions for cooking ranges, hobs and oven ...	(IEC 60335-2-6)	P
	-shall state a steam cleaner is not be used		P
	Instructions for induction hobs shall state the following:	(IEC 60335-2-6)	N/A
	-Metallic objects such as knives, forks, spoons and lids should not be placed on the hob surface since they can get hot		N/A
	Instructions for hobs incorporating a lid shall state	(IEC 60335-2-6)	N/A
	-Any spillage should be removed from the lid before opening. They also state than that		N/A
	- Hob surface should be allowed to cool before closing the lid		N/A
	Instructions for hobs incorporating halogen lamps shall warn the user not to stare at the hob elements (IEC 60335-2-6)		N/A
	Instructions for appliances incorporating a lamp for illumination, and does not incorporate a switch providing full disconnection under overvoltage category shall state the following:	(IEC 60335-2-6)	N/A
	-Warning - Ensure that the appliance is switched off before replacing the lamp to avoid the possibility of electric shock .		N/A
	The instructions for hobs shall state that the appliance is not intended to be operated by means of external timer or separated remote-control system (IEC 60335-2-6)		N/A
	The instructions for hobs shall include the substance of the following	(IEC 60335-2-6)	N/A
	Danger of fire: Do not store items on the cooking surfaces.		N/A
	CAUTION: The cooking process has to be supervised. A short term cooking process has to be supervised continuously.		N/A
	WARNING: Unattended cooking on a hob with fat or oil can be dangerous and may result in a fire.		N/A
	The instructions for hobs incorporating an induction wok element shall contain a list of vessels that can be used, unless the manufacturer provides a wok with the appliance (IEC 60335-2-6)		N/A
	The instructions for ovens that have shelves shall include details indicating the correct installation of the shelves (IEC 60335-2-6)		P
7.12.1	Sufficient details for installation supplied		P
	For an appliance intended to be permanently connected to the water mains and not connected by a hose-set, this is stated		N/A
	If different rated voltages or different rated frequencies are marked, the instructions state what action to be taken to adjust the appliance		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	Unless the instructions for cooking ranges state that the range must not be placed on a base, the instructions for cooking ranges that are placed on the floor shall state that if the range is placed on a base, measures have to be taken to prevent the appliance slipping from the base. (IEC 60335-2-6)		N/A
	Unless the instructions state to the contrary, the instructions for cooking ranges and ovens shall state that the appliance must not be installed behind a decorative door in order to avoid overheating. (IEC 60335-2-6)		P
	The instructions for appliances intended to be connected to the water mains shall include the maximum rated water pressure in megapascals. (IEC 60335-2-6)		N/A
	The instructions for ovens that are intended for use on board ships shall include details for fixing the appliance. (IEC 60335-2-6)		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
	Instructions for cooking range does not have a supply cord shall state the type of cord to be used, taking into account the temperature of the rear surface of the appliance (IEC 60335-2-6)		N/A
7.12.4	Instructions for built-in appliances:		P
	- dimensions of space		P
	- dimensions and position of supporting and fixing		P
	- minimum distances between parts and surrounding structure		P
	- minimum dimensions of ventilating openings and arrangement		P
	- connection to supply mains and interconnection of separate components		P
	- allow disconnection of the appliance after installation, by accessible plug or a switch in the fixed wiring, unless		P
	a switch complying with 24.3		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	Instructions for built-in appliances having a separate control panels shall state the control panel is only to be connected to heating units specified in order to avoid a possible hazard (IEC 60335-2-6)		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		P
7.12.8	Instructions for appliances connected to the water mains:		N/A
	- 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
	In addition, instructions are also available in an alternative format such as on a website or in a format such as a DVD..... :	On a website	P
7.13	Instructions and other texts in an official language	English	P
7.14	Markings clearly legible and durable:		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

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	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
7.15	Markings on a main part		P
	Marking clearly discernible from the outside, if necessary after removal of a cover		P
	The marking for the rated current of the fuse protecting a socket-outlet shall be placed on or near the socket-outlet. (IEC 60335-2-6)		N/A
	For portable appliances, cover can be removed or opened without a tool		N/A
	For stationary appliances except for fixed appliances, at least the name or trademark or identification mark of the manufacturer or responsible vendor and the model or type reference shall be visible when the appliance is installed as in normal use. (IEC 60335-2-6)		P
	For fixed appliances, the marking of the name or trademark or identification mark of the manufacturer or responsible vendor and the model or type reference shall be marked on the appliance and, if not visible when the appliance is installed as in normal use, shall be included in the instructions or on an additional label that can be fixed near the appliance after installation. (IEC 60335-2-6)		P
	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

IEC 60335-2-6			
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	Marking of the maximum water level, which shall be visible during filling, for steam generators intended to filled manually (IEC 60335-2-6)		P
7.102	Appropriate marking the cooking zone of hob surfaces unless (IEC 60335-2-6)		N/A
7.103	For cooking ranges that are normally placed on the floor and that have horizontally hinged oven doors with a hinge height of less than 430mm from the floor, if a stabilizing means is necessary in order to comply with the test of 20.102, then: (IEC 60335-2-6)		N/A
	-The stabilizing means shall be marked, in lettering at least 3mm high, with the substance of the following warning: WARNING: in order to prevent tipping of the appliance, this stabilizing means must be installed. Refer to the instructions for installation. (IEC 60335-2-6)		N/A
	-The appliance shall be marked, in lettering at least 3mm high, at the point of supply entry and at least one other point to draw the attention of the user to the need to stabilize the appliance. (IEC 60335-2-6)		N/A
	If symbol IEC 60417-6059 (2011-05) or IEC 60417-6060 (2011-05) are used, their meaning shall be explained in the instructions and their height shall be at least 30 mm. (IEC 60335-2-6)		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		P
	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
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

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	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
8.1.4	Accessible part not considered live if:		P
	- 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		P
	- or separated from live parts by protective impedance		P
	If protective impedance: d.c. current not exceeding 2 mA, and		N/A
	a.c. peak value not exceeding 0.7 mA		P
	- for peak values over 42.4 V up to and including 450 V, capacitance not exceeding 0,1 μ F		P
	- 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
8.1.5	Live parts protected at least by basic insulation before installation or assembly:		P
	- built-in appliances		P
	- 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
9	STARTING OF MOTOR-OPERATED APPLIANCES		--
	Requirements and tests are specified in part 2 when necessary		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
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
	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
	Socket-outlets are not loaded during the test, however the power input is considered to be 1 kW per socket-outlet. (IEC 60335-2-6)		N/A
	For ovens and steam ovens, the heat up time to obtain the centre cavity temperature specified for normal operation is a representative period. (IEC 60335-2-6)		P
	For griddles, the heat up time to obtain the surface temperature specified for normal operation is a representative period. (IEC 60335-2-6)		N/A
	For grills and warming drawers, the heat up period for normal operation is a representative period.		N/A
	For hobs, the heat up time until the water boils with the controls adjusted to their highest setting is a representative period. (IEC 60335-2-6)		N/A
	For induction hob elements and induction wok elements, the heat up time for the oil to reach a temperature of $180^{\circ}\text{C} \pm 4^{\circ}\text{C}$ with the controls adjusted to their highest setting is a representative period. If the power input is reduced during the heat up time for the oil to reach a temperature of $180^{\circ}\text{C} \pm 4^{\circ}\text{C}$ then the representative period is taken as the time until the first reduction of the power input. (IEC 60335-2-6)		N/A
	The power input of induction hob elements and induction wok elements is measured for each induction generator unit separately and the tolerances for motor-operated appliances apply. (IEC 60335-2-6)		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
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
	Socket-outlets are not loaded during the test, however the current is considered to be 1 Kw divided by the rated voltage (IEC 60335-2-6)		N/A
	For ovens and steam ovens, the heat up time to obtain the centre cavity temperature specified for normal operation is a representative period. (IEC 60335-2-6)		N/A
	For griddles, the heat up time to obtain the surface temperature specified for normal operation is a representative period. (IEC 60335-2-6)		N/A
	For grills and warming drawers the heat up time for normal operation is a representative period.		N/A
	For hobs, the heat up time until the water boils with the controls adjusted to their highest setting is a representative period. (IEC 60335-2-6)		N/A
	For induction hob elements and induction wok elements, the heat up time for the oil to reach a temperature of $180^{\circ}\text{C} \pm 4^{\circ}\text{C}$ with the controls adjusted to their highest setting is a representative period. If the current is reduced during the heat up time for the oil to reach a temperature of $180^{\circ}\text{C} \pm 4^{\circ}\text{C}$ then the representative period is taken as the time until the first reduction of the current. (IEC 60335-2-6)		N/A
	The current of induction hob elements and induction wok elements is measured each induction generator unit separately and the tolerances for motor-operated appliances apply. (IEC 60335-2-6)		N/A
11	HEATING		--
11.1	No excessive temperatures in normal use		P
	For cooking ranges and ovens, compliance is also checked by the test of 11.101 (IEC 60335-2-6)		P

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
11.2	The appliance is held, placed or fixed in position as described	Installed in accordance with the instruction	P
	- appliances intended to stand on the floor (IEC 60335-2-6)		N/A
	- Appliances having a lid to cover the hob surface are tested with the lid open (IEC 60335-2-6)		N/A
	- Temperature-sensing probes are placed in the oven in any position likely to occur during normal use. They are not connected to control the oven temperature. (IEC 60335-2-6)		N/A
	- The test for pyrolytic self-cleaning ovens is carried out with temperature-sensing probes in position, unless otherwise specified in the instructions. (IEC 60335-2-6)		N/A
	Detachable parts that are intended to be used to reduce the temperature of control panels are removed. (IEC 60335-2-6)		N/A
11.3	Temperature rises, other than of windings, determined by thermocouples		P
	Temperature rises of windings determined by resistance method, unless		P
	the windings are non-uniform or it is difficult to make the necessary connections		P
11.4	Heating appliances operated under normal operation at 1.15 times rated power input (W) :	(see appended table)	P
	Induction hob elements and induction wok elements supplied separately and operated as for motor operated appliances (IEC 60335-2-6)		N/A
	Cooking ranges operated under normal operation at 1.15 times rated power input : (IEC 60335-2-6)		N/A
	Ovens are operated at 1,15 times rated power input under normal operation. The supply voltage is measured during the heat up period. This voltage is used to supply the heating units of ovens during the tests. (IEC 60335-2-6)		P
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 are operated as specified for heating appliances. (IEC 60335-2-6):		P
	If the temperature rise limits are exceeded in appliances incorporating motors, transformers or electronic circuits, and 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 60335-2-6)		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
11.7	Appliance operated for the duration specified in 11.7.101 to 11.7.106 (IEC 60335-2-6)		P
11.7.101	Induction hob elements and induction wok elements, other hob elements :		N/A
11.7.102	Ovens are operated for 60 min starting from the cold condition		P
	Ovens provided with a rotating spit are also operated with the spit rotating for 60 min		N/A
	Lamps in ovens are not manually switched on		P
11.7.103	Grills		N/A
11.7.104	Griddles		N/A
11.7.105	Warming drawers and similar compartments :		N/A
11.7.106	Cooking ranges :		N/A
11.7.107	Appliance incorporates a socket-outlet with an appropriate plug complying with IEC60083		N/A
11.8	Temperature rises monitored continuously and not exceeding the values in table 3 :	(see appended table)	P
	Temperatures rises of the floor and floor of the test corner, wooden cabinets and rectangular box not exceeding specified values (IEC 60335-2-6)		P
	During the additional test for pyrolytic self-cleaning ovens, the temperature rise of the surface of knobs, handles and levers shall not exceed specified values (IEC 60335-2-6)		N/A
	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
11.101	Cooking ranges and ovens placed as described (IEC 60335-2-6)		P
	Appliance operated under normal operation at rated voltage		P
	The appliance operated in specified conditions (IEC 60335-2-6)		P
	Pressure steam ovens and atmospheric steam ovens are operated 30 min.		N/A
	Other appliance operated 60 min or		P
	until steady conditions are established		P

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	Temperature rise of surfaces shall not exceed the values specified in Table 102, Table 103 or Table 104 as appropriate (see appended table) (IEC 60335-2-6)		P
	If the oven can be used for grilling and the instructions state that for grilling the door should be closed, the test is repeated but with the oven operating in the grilling mode with the controls set according to the instructions (IEC 60335-2-6)		N/A
	The grill is operated for 30 min in accordance with 11.7.103.		N/A
	However if the oven has a rotating spit, the duration of the test is 60 min.		N/A
13	LEAKAGE CURRENT AND ELECTRIC STRENGTH AT OPERATING TEMPERATURE		--
13.1	Leakage current not excessive and electric strength adequate		P
	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
	If a grill is incorporated in the oven, either the oven or the grill is operated, whichever is more unfavourable. (IEC 60335-2-6)		N/A
	For hobs, the tests are carried out with a vessel filled as specified in 3.1.9.101 placed on each cooking zone (IEC 60335-2-6)		N/A
	Induction hob elements and induction wok elements are tested as specified for motor-operated appliances (IEC 60335-2-6)		N/A
13.2	For class 0, class II and class III appliances, and class II constructions, leakage current measured by means of the circuit described in figure 4 of IEC 60990		P
	For class 0I and class I appliances, a low impedance ammeter may be used		P
	Leakage current measurements..... :	(see appended table)	P
	For stationary class I appliances (IEC 60335-2-6)		P
13.3	The appliance is disconnected from the supply		P
	Electric strength tests according to table 4..... :	(see appended table)	P
	No breakdown during the tests		P
14	TRANSIENT OVERVOLTAGES		--

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	Appliances withstand the transient over-voltages to which they may be subjected		N/A
	Clearances having a value less than specified in table 16 subjected to an impulse voltage test, the test voltage specified in table 6..... :	(see appended table)	N/A
	No flashover during the test, unless		N/A
	of functional insulation if the appliance complies with clause 19 with the clearance short-circuited		N/A
15	MOISTURE RESISTANCE		--
15.1	Enclosure provides the degree of moisture protection according to classification of the appliance		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
	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..... :		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

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	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
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)	0.5 l	P
	Cooking ranges and hobs subjected to the overfilling test into the vessel with additional saline solution, over a period of 15 s (l) (IEC 60335-2-6)		N/A
	For hob elements incorporating a switch or a thermal control: overfilling test with saline solution(l):(IEC 60335-2-6):		N/A
	If controls are mounted below the hob surface: overfilling test with saline solution, over a period of 15 s (l): (IEC 60335-2-6)		N/A
	For hob having ventilating openings in the hob surface: overfilling test with saline solution (l) (IEC 60335-2-6)		N/A
	For ovens and grills: overfilling test with saline solution (l): (IEC 60335-2-6)		P
	For appliances having a drip tray or similar receptacle: overfilling test with saline solution (l)...: (IEC 60335-2-6)		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	For hobs having a lid: overfilling test with saline solution (l):(IEC 60335-2-6)		N/A
	Hobs with controls mounted below the hob surface and built-in ovens that are intended for use installed under work surfaces shall be subjected to a spillage test with 0,5 l of the spillage solution (IEC 60335-2-6)		N/A
	Steam generators intended to be connected to the water mains supplied at rated water pressure (IEC 60335-2-6)		N/A
	Water allowed to flow for 1 min after the first evidence of overflow, unless (IEC 60335-2-6)		N/A
	the inflow stops automatically (IEC 60335-2-6)		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	25 °C, 93% R.H.	P
	Reassembly of those parts that may have been removed		P
	The appliance withstands the tests of clause 16		P
15.101	Temperature-sensing probes shall be constructed so that their insulation is not affected by water (IEC 60335-2-6)		N/A
	After the test, the probe withstand the leakage current test of 16.2 (IEC 60335-2-6:)		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		P
	Tests carried out at room temperature and not connected to the supply		P
	For hobs, the tests are carried out with a vessel filled as specified in 3.1.9.101 placed on each cooking zone (IEC 60335-2-6)		N/A
	Induction hob elements and induction wok elements are tested as specified for motor-operated appliances (IEC 60335-2-6)		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
16.2	Single-phase appliances: test voltage 1.06 times rated voltage (V)		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
	For stationary class I appliances (IEC 60335-2-6)		P
	Limit values doubled if:		N/A
	- 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
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
	No breakdown during the tests		P
17	OVERLOAD PROTECTION OF TRANSFORMERS AND ASSOCIATED CIRCUITS		--
	No excessive temperatures in transformer or associated circuits in event of short-circuits likely to occur in normal use	(see appended table)	P
	Appliance supplied with 1.06 or 0.94 times rated voltage under the most unfavourable short-circuit or overload likely to occur in normal use (V)	(see appended table)	P
	Basic insulation is not short-circuited		N/A
	Temperature rise of insulation of the conductors of safety extra-low voltage circuits not exceeding the relevant value specified in table 3 by more than 15 K		P
	Temperature of the winding not exceeding the value specified in table 8		P
	However, limits do not apply to fail-safe transformers complying with sub-clause 15.5 of IEC 61558-1		N/A
18	ENDURANCE		--
	Requirements and tests are specified in part 2 when necessary		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
19	ABNORMAL OPERATION		--
19.1	The risk of fire, mechanical damage or electric shock under abnormal or careless operation obviated		P
	Electronic circuits so designed and applied that a fault will not render the appliance unsafe	(see appended table)	P
	Appliances incorporating heating elements subjected to the tests of 19.2 and 19.3, and		P
	if the appliance also has a control that limit the temperature during clause 11 it is subjected to the test of 19.4, and		P
	if applicable, to the test of 19.5		P
	Appliances incorporating PTC heating elements are also subjected to the test of 19.6		N/A
	Appliances incorporating motors subjected to the tests of 19.7 to 19.10, as applicable		P
	Appliances incorporating electronic circuits subjected to the tests of 19.11 and 19.12, as applicable		P
	Appliances incorporating contactors or relays subjected to the test of 19.14, being carried out before the tests of 19.11		P
	Appliances incorporating voltage selector switches subjected to the test of 19.15		N/A
	Unless otherwise specified, the tests are continued until a non-self-resetting thermal cut-out operates, or		P
	until steady conditions are established		P
	If a heating element or intentionally weak part becomes open-circuited, the relevant test is repeated on a second sample		N/A
	For induction hobs compliance is also checked by the test 19.101, 19.102 and 19.103 (19.2, 19.3 and 19.4 not applicable) (IEC 60335-2-6)		N/A
	19.101 is not applicable to induction wok elements (IEC 60335-2-6)		N/A
	Temperature-sensing probes placed in the oven in any position likely to occur during normal use except that they are not connected to control the oven temperature (IEC 60335-2-6)		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
19.2	Test of appliances with heating elements with restricted heat dissipation; test voltage (V), power input of 0.85 times rated power input (W)..... :	(see appended table)	P
	Hob elements are operated without a vessel, pan detectors being rendered inoperative. Oven doors are open or closed, whichever is more unfavourable. Hob lids are closed unless the hob elements are interlocked with the lid or an indicator lamp shows that a hob element is switched on. (IEC 60335-2-6)		P
	For appliances incorporating more than one heating unit, the test is only carried with the heating unit resulting in the most unfavourable conditions, its control adjusted to the highest setting. For appliance incorporate an oven without an indicator lamp to show that the oven is switched on, the oven is operated, its control adjusted to the highest setting. (IEC 60335-2-6)		P
	Pyrolytic self-cleaning ovens are also operated under cleaning conditions, motors which operate during cleaning being switched off or disconnect in turn. (IEC 60335-2-6)		N/A
	Induction hob elements and induction wok elements are operated under the conditions of clause 11 but with empty vessels, the controls being adjusted to the highest setting. (IEC 60335-2-6)		N/A
	Steam ovens are operated without water (IEC 60335-2-6)		P
	Doors of separate grill compartments incorporate a cooking range are open or closed, which is the most unfavourable. (IEC 60335-2-6)		N/A
19.3	Test of 19.2 repeated; test voltage (V), power input of 1.24 times rated power input (W)..... :	(see appended table)	P
19.4	Test conditions as in clause 11, any control limiting the temperature during tests of clause 11 short-circuited	(see appended table) Both thermal links or thermal cut-outs operated simultaneously during test.	P
	Pressure regulators of pressure steam ovens are rendered inoperative together with each protective device in turn. (IEC 60335-2-6)		N/A
19.5	Test of 19.4 repeated on Class 0I and I appliances with tubular sheathed or embedded heating elements. No short-circuiting, but one end of the element connected to the sheath	Covered by clause 19.3 or clause 19.4	P
	The test repeated with reversed polarity and the other end of the heating element connected to the sheath		P

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	The test is not carried out on appliances intended to be permanently connected to fixed wiring and on appliances where an all-pole disconnection occurs during the test of 19.4		N/A
19.6	Appliances with PTC heating elements tested at rated voltage, establishing steady conditions		N/A
	The working voltage of the PTC heating element is increased by 5% and the appliance is operated until steady conditions are re-established. The voltage is then increased in similar steps until 1.5 times working voltage or until the PTC heating element ruptures (V)		N/A
19.7	Stalling test by locking the rotor if the locked rotor torque is smaller than the full load torque, or		N/A
	locking moving parts of other appliances		P
	Locked rotor, capacitors open-circuited one at a time		N/A
	Test repeated with capacitors short-circuited one at a time, unless		N/A
	the capacitor is of class S2 or S3 of IEC 60252-1		N/A
	Appliances with timer or programmer supplied with rated voltage for each of the tests, for a period equal to the maximum period allowed	Until steady condition	P
	An electronic timer or programmer that operates to ensure compliance with the test before the maximum period under the conditions of Clause 11 is reached, is a protective electronic circuit		N/A
	Other appliances supplied with rated voltage for a period as specified	Until steady condition	P
	Winding temperatures not exceeding values specified in table 8	(see appended table)	P
19.8	Multi-phase motors operated at rated voltage with one phase disconnected		N/A
19.9	Running overload test on appliances incorporating motors intended to be remotely or automatically controlled or liable to be operated continuously		N/A
	Motor-operated and combined appliances for which 30.2.3 is applicable and that use overload protective devices relying on electronic circuits to protect the motor windings, are also subjected to the test		N/A
	Winding temperatures not exceeding values as specified	(see appended table)	N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
19.10	Series motor operated at 1.3 times rated voltage for 1 min (V)		N/A
	During the test, parts not being ejected from the appliance		N/A
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		P
	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:		P
	- 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		P
	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:		N/A
	- 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:		N/A
	- 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

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	- 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:		P
	a) short circuit of functional insulation if clearances or creepage distances are less than the values specified in clause 29		N/A
	b) open circuit at the terminals of any component		P
	c) short circuit of capacitors, unless		P
	they comply with IEC 60384-14		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		P
	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		P
	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
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		N/A
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		P

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	They incorporate spark gaps		N/A
	During the test of the stand-by-mode, a suitable vessel is placed on the cooking zone if a pan detector is incorporated. (IEC 60335-2-6)		P
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, at frequency ranges specified		P
19.11.4.3	The appliance is subjected to fast transient bursts in accordance with IEC 61000-4-4, test level 3 or 4 as specified		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
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		P
	The appliance continues to operate normally, or		N/A
	requires a manual operation to restart		P

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
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 current: 3.15A Measured current: 10A Rated current: 16A Measured current: 50A	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:		P
	- 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:		P
	- do not become operational, or		P
	- if they become operational, do not result in a dangerous malfunction during or after the tests of 19.11.4		N/A
	If the appliance contains lids or doors that are controlled by one or more interlocks, one of the interlocks may be released provided that:		N/A
	- 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

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	Ovens: temperature in the centre of the oven not exceed 425°C before opening (IEC 60335-2-6)		P
	The temperature rise of the oil during the tests of 19.102 shall not exceed 270 K. (IEC 60335-2-6)		N/A
	Temperature rise of the windings of induction hob elements and induction wok elements not exceed the values specified in 19.7 (IEC 60335-2-6)		N/A
	Electric strength test of induction hob elements and induction wok elements is carried out immediately after switching of the appliance (IEC 60335-2-6)		N/A
	Glass in oven doors shall not be damaged (IEC 60335-2-6)		P
19.14	Appliances operated under the conditions of clause 11, any contactor or relay contact operating under the conditions of clause 11 being short-circuited	Covered by clause 19.4 and 19.3	P
	For a relay or contactor with more than one contact, all contacts are short-circuited at the same time		N/A
	A relay or contactor operating only to ensure the appliance is energized for normal use is not short-circuited		P
	If more than one relay or contactor operates in clause 11, they are short-circuited in turn		P
19.15	For appliances with a mains voltage selector switch, the switch is set to the lowest rated voltage position and the highest value of rated voltage is applied		N/A
19.101	Induction hob elements: test conditions according to the standard; diameter of the disc (cm) (IEC 60335-2-6)		N/A
19.102	Induction hob element and induction wok elements operated under normal operation at rated voltage but with thermal controls short-circuited. (IEC 60335-2-6)		N/A
	Temperature rise of the oil not exceed 270 K :		N/A
19.103	Induction hob elements and induction wok elements are operated under the conditions of Clause 11 with empty vessels, the controls being adjusted to the highest setting (IEC 60335-2-6)		N/A
	If an induction hob element or an induction wok element has a metallic lid, it is then tested by being operated under the conditions of Clause 11 without vessels, the controls being adjusted to the highest setting. A force of 30 N is applied to the closed lid in the most unfavourable place by means of test probe B of IEC 61032.		N/A
20	STABILITY AND MECHANICAL HAZARDS		--
20.1	Appliances having adequate stability		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	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		N/A
	Tilting test repeated on appliances with heating elements, angle of inclination increased to 15°		N/A
	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		P
	Not possible to touch dangerous moving parts with the test probe described		P
20.101	Cooking range and ovens shall have adequate stability when the open the door is subjected to a load	(IEC 60335-2-6)	P
	Appliance subjected to a load test and by the test of 20.102 if relevant : mass (kg) :	22.5kg	P
	For an appliance having more than one door, the test is carried out on each door separately.		N/A
	Cooking ranges are tested without fitting any stabilizing means that are specified in the instructions of installation.		N/A
	Cooking range incorporating a storage compartment adjacent to the oven and which the shelves are pulled out simultaneously: Shelve subjected to a load test : mass (g)		N/A
	The appliance shall not tilt Damage and deformation of doors are ignored		P
20.102	For cooking ranges normally placed on the floor and with horizontally hinged oven doors with a hinge height of less than 430mm from the floor, the test of 20.101 is repeated except that:	(IEC 60335-2-6)	N/A
	-The cooking range is fitted with the stabilizing means, if any, specified in the instructions for installation		N/A
	-The mass of the load on the oven doors is increased to 50kg, or the mass of 22,5kg is placed at the centre of the outer edge of the oven door, whichever gives the most unfavourable results		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	The appliance shall not tilt Damage and deformation of doors are ignored		N/A
21	MECHANICAL STRENGTH		--
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		P
	Additional blows applied to the centre of glass doors (IEC 60335-2-6)		P
	The glass shall not fracture (IEC 60335-2-6)		P
	Appliance incorporating visibly glowing heating elements enclosed in glass tubes, the blows are applied to the tubes as mounted in the appliance if they are : (IEC 60335-2-6)		N/A
	-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
	Hob surfaces of glass-ceramic or similar material: three blows applied on surfaces not exposed during test of 21.102; impact energy $0,7 \pm 0,05$ J (IEC 60335-2-6)		N/A
	If the hob surface comprises a single piece of material except for the outer frame, this test is not carried out. (IEC 60335-2-6)		N/A
	Temperature-sensing probe subjected to one cycle of test according to 15.101 and 16.2 (IEC 60335-2-6)		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	Oven shelves and their supports shall have adequate mechanical strength (IEC 60335-2-6)		P

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	Total mass (kg) of the vessel, 220 times the volume of the useful oven space in m ³ , or 24kg, whichever is less:		P
	After the test the shelf and supports shall show no distortion impairing their further and		P
	the shelf shall not fall from the supports		P
	The above tests are repeated with the mean temperature in the centre of the oven at 200°C ± 4°C before starting the test at each supporting position of the shelf.		P
	Ovens with shelves that can be withdrawn and with stops: force as specified in Table 105, vessel with side dimensions of Table 105		P
	The shelf shall not tilt downwards by more than 6°		P
21.102	Hob surfaces of glass-ceramic and similar materials shall withstand the stresses liable to occur in normal use (IEC 60335-2-6)		N/A
	After the test, the hob surface not crack and the appliance withstand the electric strength test of 16.3		N/A
21.103	Temperature-sensing probes shall be constructed so that they are not damaged when trapped in the oven door (IEC 60335-2-6)		N/A
	After the test, the probe then complies with 8.1, 15.101 and Cl. 29		N/A
21.104	Glass panels of horizontally hinged oven doors shall withstand the thermal shock liable to occur in normal use (IEC 60335-2-6)		P
	After the test, the glass shall not fracture		P
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:		P
	- a supply cord fitted with a plug, or		P
	- 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

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
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		P
22.5	No risk of electric shock when touching pins, for appliances having a capacitor with rated capacitance equal to or greater than 0,1 μ F, 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		N/A
	The discharge test is then repeated three times, voltage not exceeding 34 V (V)..... :		N/A
22.6	Electrical insulation not affected by condensing water or leaking liquid		P
	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		P
	All pressure regulators and pressure-relief devices of pressure steam ovens are rendered inoperative and the door is closed. The pressure is gradually increased hydraulically to two times the rated cooking pressure. The container shall not rupture. (IEC 60335-2-6)		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		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
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		N/A
	No deterioration of the fixing properties of snap-in devices used in parts that are likely to be removed during installation or servicing		N/A
	Tests as described		P
22.12	Handles, knobs etc. fixed in a reliable manner, if loosening result in a hazard		P
	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		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
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		N/A
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
	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

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	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		P
22.27	Parts connected by protective impedance separated by double or reinforced insulation		P
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
	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

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	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		P
	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		P
	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
	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		P

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	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		P
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		N/A
	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
	Hobs shall not be controlled by a remote operation. (IEC 60335-2-6)		N/A
22.41	No components, other than lamps, containing mercury		P
22.42	Protective impedance consisting of at least two separate components		P
	Values specified in 8.1.4 not exceeded if any one of the components are short-circuited or open-circuited		P
	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		P

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
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
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:		N/A
	- continuously, or		N/A
	- automatically, or		N/A
	- remotely		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	It is not necessary to manually adjust to the setting for remote operation in order to switch the appliance off. (IEC 60335-2-6)		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 distinguished from other manual devices by means of shape, size, surface texture or position	Surface texture	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:		P
	– tactile feedback from the actuator or from the appliance, or		N/A
	– reduction in heat output; or		N/A
	– audible and visible feedback		P
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	Hob element prevented from rotating about vertical axis and (IEC 60335-2-6)		N/A
	adequately supported in all positions of adjustment of their supports (IEC 60335-2-6)		N/A
	hob element clamped by a nut on a central stud: an additional means is required to prevent its rotation.		N/A
	Hobs constructed so that damage to is unlikely occur while the hob elements are being removed or replaced, for hobs with detachable hob elements (IEC 60335-2-6:)		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
22.102	Remote operation and timers intended to delay the operation of a heating element shall not control a grill, unless (IEC 60335-2-6)		N/A
	the grill is thermally controlled and incorporated in an oven or compartment and it is only possible to operate the grill with the door of the oven or compartment being closed (IEC 60335-2-6)		N/A
	Delayed start timers shall not control a hob element		N/A
22.103	Ovens vents shall be constructed so that any moisture or grease discharged through them cannot affect clearances and creepage distances between live parts and other parts of the appliance (IEC 60335-2-6)		P
22.104	Steam ovens shall be constructed so that steam vents and ducts are unlikely to become blocked during normal use (IEC 60335-2-6)		P
	Pressure relief devices that operate during the tests of 19.4 and 22.7 shall have an inlet aperture at least 5 mm in diameter or 20 mm ² in area with a width of at least 3 mm		P
	The area of the aperture at the outlet shall not be less than that of the aperture at the inlet.		P
22.105	Built-in ovens shall only be vented through the front, unless (IEC 60335-2-6)		P
	provision is made for venting through a duct (IEC 60335-2-6)		N/A
22.106	Grills shall be constructed so that grill can be easily positioned without jamming (IEC 60335-2-6)		N/A
	The grills pans shall not fall from the support when moved sideways (IEC 60335-2-6)		N/A
22.107	Pyrolytic self-cleaning ovens shall switch off automatically at the end of the process and require a manual operation to start another cleaning cycle (IEC 60335-2-6)		N/A
22.108	Pyrolytic self-cleaning ovens shall be constructed so that opening and closing of the door does not impair the interlock system or damage the door seal; test as specified (IEC 60335-2-6)		N/A
	After the test, the interlock system shall be fit for further use and the door seal shall not be damage (IEC 60335-2-6)		N/A
22.109	Pyrolytic self-cleaning ovens shall incorporate an interlock so that access to the oven cannot be gained when the temperature in the centre of the oven exceeds 350 °C. even if the interlock is defective; test as specified (IEC 60335-2-6)		N/A
22.110	Pyrolytic self-cleaning ovens shall be constructed so that ignitable gases cannot be discharged through vents during the cleaning process; test as specified (IEC 60335-2-6)		N/A
22.111	Pyrolytic self-cleaning ovens: no risk of emission of flames; test as specified (IEC 60335-2-6)		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
22.112	Hobs shall be constructed so that hinged lids cannot close accidentally (IEC 60335-2-6)		N/A
22.113	Hobs shall be constructed so that inadvertent operation of touch controls due to spillage of liquid or damp cloth is unlikely; test as specified (IEC 60335-2-6)		N/A
22.114	Hobs having touch controls shall require at least two manual operations to switch on a hob element but only one to switch off (IEC 60335-2-6)		N/A
	Additional hob elements may be switched on by single manual operation (IEC 60335-2-6)		N/A
	Hobs having touch controls shall incorporate visual means to indicate when each hob is energized (IEC 60335-2-6)		N/A
22.115	Induction hob elements and induction wok elements, and other hob elements incorporating a pan detector shall be constructed so that the hob element operated can only be operated when a vessel is placed on the cooking zone (IEC 60335-2-6)		N/A
	Appliance operated at rated voltage (IEC 60335-2-6)		N/A
	Temperature rise not exceed 35 K, for induction hob elements and induction wok elements : (IEC 60335-2-6)		N/A
	Other hobs elements shall not operate (IEC 60335-2-6)		N/A
22.116	Hob elements incorporating a pan detector shall be constructed so that the hob element is not switched on by the vessel if it has been removed for more than 10 min (IEC 60335-2-6)		N/A
22.117	Appliances incorporating a pan detector a signal lamp shall indicate when the control for the hob elements is not switched to the off position (IEC 60335-2-6)		N/A
22.118	If a plug of a supply cord is engaged in a socket-outlet located directly above the door, it shall not be possible to operate a grill (IEC 60335-2-6)		N/A
22.119	Cooking ranges incorporating a retractable deflector to prevent excessive temperatures on control knobs shall be constructed so that the user is unlikely to touch hot surfaces of the deflector when operating the controls (IEC 60335-2-6)		N/A
22.120	Outer glass panels of oven doors shall be made from glass that breaks into small pieces when it fractures (IEC 60335-2-6)		P
	or glass that is not released or dropped from its normal position when broken. (IEC 60335-2-6)		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
22.121	Glass panels of oven doors that are intended to be removed by the user for cleaning shall be constructed so that they cannot be fixed in an incorrect orientation (IEC 60335-2-6)		N/A
22.122	Ovens with a capacity exceeding 20 l and having withdrawable shelves shall be fitted with stops or a rest position to prevent the inadvertent withdrawal of the shelves. (IEC 60335-2-6)		P
	The shelves shall be capable of being withdrawn so that when fully extended to the rest position or the maximum distance allowed by the stops, the front edge of the shelves extends beyond the plane of the inside front surface of the oven door in the closed position by a distance of not less than 160 mm, or 50 % of the depth of the shelf whichever is less (IEC 60335-2-6)		P
	The shelves shall also be constructed to prevent cooking dishes, or the like, from sliding over the rear edge (IEC 60335-2-6)		P
	This requirement also does not apply to shelves that are designed to be used in steam ovens, having a depth lower than 320 mm and perforated to contain vegetables. (IEC 60335-2-6)		N/A
22.123	Appliances incorporating at least one hob element shall be designed so that it is possible to switch off any energized hob element in the case of failure of any electronic component. (IEC 60335-2-6)		N/A
22.124	Appliances incorporating at least one hob element shall be designed so that the hob element does not become energized unintentionally in case of any electronic component being rendered inoperative (IEC 60335-2-6)		N/A
22.125	Pressure steam ovens shall incorporate a non-self-resetting pressure relief device that prevents excessive pressure. (IEC 60335-2-6)		N/A
22.126	The pressure relief device in steam ovens shall be positioned or constructed so that its operation does not cause injury to persons or damage to surroundings. Its construction shall be such that it cannot be made inoperative or set to a higher relief pressure. (IEC 60335-2-6)		N/A
22.127	The operating pressure of pressure steam ovens shall not exceed the rated cooking pressure during normal operation. (IEC 60335-2-6)		N/A
22.128	Means provided to allow drainage of water from cooking compartments of steam ovens shall discharge the water in such a manner that electrical insulation is not affected. (IEC 60335-2-6)		P
22.129	Pressure steam ovens shall incorporate vacuum release means to prevent a partial vacuum forming.		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
22.130	Emptying devices such as drain plugs for emptying hot liquids from a steam oven shall be constructed so that they cannot be opened inadvertently. This requirement is considered to be met when the emptying device handle is such that, when released, it returns the emptying device automatically to the closed position; or it is of the wheel type; or it is placed in a recess such that it cannot be placed in the open position by means of test probe B of IEC 61032 using a single action. (IEC 60335-2-6)		N/A
22.131	Steam ovens shall be constructed such that there is no spillage of water or sudden jets of steam or hot water likely to expose the user to a hazard when the appliance is used in accordance with the instructions (IEC 60335-2-6)		P
	If jets of steam or liquids are emitted through protective devices, the electrical insulation shall not be affected or the user exposed to a hazard. (IEC 60335-2-6)		N/A
22.132	Pressure steam ovens shall be constructed so that the door cannot be opened while the pressure within the pressurised cooking compartment is excessive. They shall incorporate a means to release the pressure to a value such that the door can be opened without risk. (IEC 60335-2-6)		N/A
22.133	The hazard created by hobs elements having off positions that are not visible during a main voltage interruption shall be obviated as far as is practicable. (IEC 60335-2-6)		N/A
22.134	For appliances incorporating at least one hob element, other than an induction hob element or an induction wok element, controlled by an electronic circuit, safety shall not be impaired in the event of a fault in the electronic circuit. (IEC 60335-2-6)		N/A
22.135	Ovens intended for use on board ships shall withstand the pulses to which they may be subjected. (IEC 60335-2-6)		N/A
22.136	Ovens intended for use on board ships shall withstand the vibrations to which they may be subjected. (IEC 60335-2-6)		N/A
22.137	Ovens intended for use on board ships shall have means to reliably close each door, drawer, or other sliding or hinged part with a latch. (IEC 60335-2-6)		N/A
22.138	For appliances that are controlled by programmable electronic circuits that limit the number of heating elements and motors from being energised at the same time, simultaneous activation of any combination of heating elements and motors shall not render the appliance unsafe. (IEC 60335-2-6)		P

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
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
	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
	The requirement also applies if parts of a cooking range are folded onto the hob surface or separated from their normal position, for transportation purposes (IEC 60335-2-6)		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

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	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
	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		N/A
	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		P
	The requirements of Clause 29 apply between live parts of components and accessible parts of the appliance		P

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	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
	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		P
	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		P

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
24.1.1	Capacitors likely to be permanently subjected to the supply voltage and used for radio interference suppression or for voltage dividing, comply with IEC 60384-14	Approved	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 comply with IEC 61558-2-6		N/A
	If they have to be tested, they are tested according to Annex G		P
24.1.3	Switches comply with IEC 61058-1, the number of cycles of operation being at least 10 000	Approved	P
	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 hob elements subjected to 30 000 cycles of operation (IEC 60335-2-6)		N/A
24.1.4	Automatic controls comply with IEC 60730-1 with the relevant part 2. The number of cycles of operation being at least:		N/A
	- thermostats:	10 000	N/A
	- temperature limiters:	1 000	N/A
	- self-resetting thermal cut-outs:	300	Approved
	- self-resetting thermal cut-outs for heating elements of glass-ceramic hobs (IEC 60335-2-6)	100 000	N/A
	- self-resetting thermal cut-outs for heating elements of other hobs (IEC 60335-2-6)	10 000	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 60335-2-6)	100 000	N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	- energy regulators for manual action (IEC 60335-2-6)	10 000	N/A
	thermostats controlling the cleaning process in pyrolytic self-cleanings ovens (IEC 60335-2-6)	3 000	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
	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 comply with IEC 60320-1		N/A
	However, for class II appliances classified higher than IPX0, the appliance couplers comply with IEC 60320-2-3		N/A
	Interconnection couplers comply with IEC 60320-2- 2		N/A
24.1.6	Small lamp holders similar to E10 lampholders comply 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	Approved	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		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	Approved	P
24.2	Appliances not fitted with:		P

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Clause	Requirement + Test	Result - Remark	Verdict
	- switches, automatic controls or power supplies in flexible cords		P
	- 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		N/A
	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:		N/A
	- the capacitors are of class S2 or S3 according to IEC 60252-1		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- the capacitors are housed within a metallic or ceramic enclosure		N/A
	- 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	Thermostat and energy regulators incorporating an off position shall not switch on a result of variations in ambient temperatures (IEC 60335-2-6)		N/A
	During the test, the off position shall be maintained		N/A
	No breakdown shall occur; test voltage 500 V		N/A
24.102	Incorporated socket-outlets in cooking ranges: single-phase type, earthing contact, rated current ≤16 A, protected by fuses or circuit breaker placed behind a non-detachable cover rated current not exceeding rated current of the socket-outlet (IEC 60335-2-6)		N/A
	Cooking range for permanently connected to fixed wiring or is fitted with a polarized plug, the neutral pole need not be protected (IEC 60335-2-6)		N/A
	If fuses become accessible after opening a drawer or other compartment, a non-detachable cover is not required (IEC 60335-2-6)		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:		P
	- 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
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:		N/A

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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
	Connection of supply wires of hobs, built-in ranges and built-in ovens may be made before the appliance is installed (IEC 60335-2-6)		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:		P
	- 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:		P

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Clause	Requirement + Test	Result - Remark	Verdict
	- rubber sheathed (at least 60245 IEC 53)	See table 24.1	P
	- polychloroprene sheathed (at least 60245 IEC 57)		N/A
	- 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		N/A
	<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 		N/A
	- heat resistant polyvinyl chloride sheathed. Not used for type X attachment other than specially prepared cords		N/A
	<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		N/A
	<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
25.8	Nominal cross-sectional area of supply cords not less than table 11; rated current (A); cross-sectional area (mm ²)	Rated current: 13.6A Cross-sectional area: see table 24.1	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:		N/A
	– other colours may be used for these additional neutral conductors;		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	– all of the neutral conductors and line conductors are identified by marking using the alpha numeric notation specified in IEC 60445		N/A
	– 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:		N/A
	- applied force (N)		N/A
	- number of flexings		N/A
	The test does not result in:		N/A
	- 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
	For temperature-sensing probes, the total number of flexings is 5 000. (IEC 60335-2-6)		N/A
	Probes with circular section cords are turned through 90° after 2 500 flexings (IEC 60335-2-6)		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
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
	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:		P
	- fixed appliances: pull 100 N; torque (not on automatic cord reel) (Nm)..... :	100N, 0.35Nm	P
	- other appliances: values shown in table 12: mass (kg); pull (N); torque (not on automatic cord reel) (Nm)..... :		N/A
	Pull and torque test of supply cord, values shown in table 12: mass (kg); pull (N); torque (not on automatic cord reel) (Nm)..... :	100N, 0.35Nm	P
	Cord not damaged and max. 2 mm displacement of the cord		P
25.16	Cord anchorages for type X attachments constructed and located so that:		N/A
	- 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

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Clause	Requirement + Test	Result - Remark	Verdict
	- 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
	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		P
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:		N/A
	- 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:		N/A
	- live parts not accessible during insertion or removal		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	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
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		N/A
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

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Clause	Requirement + Test	Result - Remark	Verdict
	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
	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:		N/A
	- 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

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Clause	Requirement + Test	Result - Remark	Verdict
	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
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		N/A
	conductors ends fitted with means suitable for screw terminals		N/A
	Pull test of 5 N to the connection		N/A
26.11	For type Y and Z attachment, soldered, welded, crimped or similar connections may be used		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

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Clause	Requirement + Test	Result - Remark	Verdict
	Class II appliances and class III appliances can incorporate an earth for functional purposes		N/A
	Safety extra-low voltage circuits not earthed, unless		P
	protective extra-low voltage circuits		N/A
27.2	Clamping means of earthing terminals adequately secured against accidental loosening		P
	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		N/A
	- conductors cannot be loosened without the aid of a tool		N/A
	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		N/A
	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		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
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
	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)..... :	0.036 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
28.1	SCREWS AND CONNECTIONS		--
	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

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Clause	Requirement + Test	Result - Remark	Verdict
	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
	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:		N/A
	<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:		N/A
	- 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		P
	the screw forms a thread having a length of at least half the diameter of the screw		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
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		P
	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		--
	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:		P
	- when the microenvironment is pollution degree 3, or		P

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Clause	Requirement + Test	Result - Remark	Verdict
	- for basic insulation of class 0 and class 01 appliances, or		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
	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:		P
	- 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		P

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Clause	Requirement + Test	Result - Remark	Verdict
	However, clearances are not specified if the appliance complies with clause 19 with the functional insulation short-circuited		N/A
	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:		N/A
	- table 16 based on the rated impulse voltage..... :		N/A
	- 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 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	For relay inner	P

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Clause	Requirement + Test	Result - Remark	Verdict
	- precautions taken to protect the insulation; pollution degree 1	Heat element	P
	- insulation subjected to conductive pollution; pollution degree 3		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
	The microenvironment is pollution degree 3 unless the insulation is enclosed or located so that it is unlikely to be exposed to pollution during normal use of the appliance (IEC 60335-2-6)		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

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Clause	Requirement + Test	Result - Remark	Verdict
	Creepage distances may be reduced if the appliance complies with clause 19 with the functional insulation short-circuited		N/A
29.3	Supplementary and reinforced insulation have adequate thickness, or a sufficient number of layers, to withstand the electrical stresses		P
	Compliance checked:		P
	- by measurement, in accordance with 29.3.1, or		P
	- by an electric strength test in accordance with 29.3.2, or		P
	- 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
	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
	This requirement does not apply to the sheath of visibly glowing heating element inaccessible to test probe 41 of IEC 61032 (IEC 60335-2-6)		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		P
	Supplementary insulation consist of at least 2 layers		P
	Reinforced insulation consist of at least 3 layers		P
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

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Clause	Requirement + Test	Result - Remark	Verdict
29.3.4	Thickness of accessible parts of reinforced insulation consisting of a single layer not less than specified in table 19		N/A
30	RESISTANCE TO HEAT AND FIRE		--
30.1	External parts of non-metallic material,		P
	parts supporting live parts, and		P
	parts of thermoplastic material providing supplementary or reinforced insulation		P
	sufficiently resistant to heat		P
	Ball-pressure test according to IEC 60695-10-2		P
	External parts tested at 40 °C plus the maximum temperature rise determined during the test of clause 11, or at 75 °C, whichever is the higher; temperature (°C)	(see appended table 30.1)	P
	Parts supporting live parts tested at 40°C plus the maximum temperature rise determined during the test of clause 11, or at 125 °C, whichever is the higher; temperature (°C)	(see appended table 30.1)	P
	Parts of thermoplastic material providing supplementary or reinforced insulation tested at 25 °C plus the maximum temperature rise determined during clause 19, if higher; temperature (°C)	(see appended table 30.1)	P
30.2	Parts of non-metallic material resistant to ignition and spread of fire		P
	This requirement does not apply to:		P
	parts having a mass not exceeding 0,5 g, provided the cumulative effect is unlikely to propagate flames that originate inside the appliance by propagating flames from one part to another, or		P
	decorative trims, knobs and other parts unlikely to be ignited or to propagate flames that originate inside the appliance		P
	Compliance checked by the test of 30.2.1, and in addition:		P
	- for attended appliances, 30.2.2 applies		N/A
	- for unattended appliances, 30.2.3 applies		P
	For appliances for remote operation, 30.2.3 applies		N/A
	For base material of printed circuit boards, 30.2.4 applies		P

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Clause	Requirement + Test	Result - Remark	Verdict
	For induction wok elements, grills and griddles that do not incorporate a timer , 30.2.2 is applicable (IEC 60335-2-6)		N/A
	For other appliances, 30.2.3 is applicable (IEC 60335-2-6)		P
30.2.1	Parts of non-metallic material subjected to the glow-wire test of IEC 60695-2-11 at 550°C	(see appended table 30.2)	P
	However, test not carried out if the material is classified as having a glow-wire flammability index according to IEC 60695-2-12 of at least 550 °C, or		N/A
	the material is classified at least HB40 according to IEC 60695-11-10		N/A
	Parts for which the glow-wire test cannot be carried out need to meet the requirements in ISO 9772 for material classified HBF		N/A
30.2.2	Appliances operated while attended, parts of non-metallic material supporting current-carrying connections, and		N/A
	parts of non-metallic material within a distance of 3mm of such connections,		N/A
	subjected to the glow-wire test of IEC 60695-2-11 with appropriate severity level:	(see appended table 30.2)	N/A
	- 750 °C, for connections carrying a current exceeding 0,5 A during normal operation		N/A
	- 650 °C, for other connections		N/A
	Glow-wire applied to an interposed shielding material, if relevant		N/A
	The glow-wire test is not carried out on parts of material classified as having a glow-wire flammability index according to IEC 60695-2-12 of at least:		N/A
	- 750 °C, for connections carrying a current exceeding 0,5 A during normal operation		N/A
	- 650 °C, for other connections		N/A
	The glow-wire test is also not carried out on small parts. These parts are to:		N/A
	- comprise material having a glow-wire flammability index of at least 750 °C, or 650 °C as appropriate, or		N/A
	- comply with the needle-flame test of Annex E, or	(see appended table 30.2/30.4)	N/A
	- comprise material classified as V-0 or V-1 according to IEC 60695-11-10..... :		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Glow-wire test not applicable to conditions as specified..... :		N/A
30.2.3	Appliances operated while unattended, tested as specified in 30.2.3.1 and 30.2.3.2		P
	The tests are not applicable to conditions as specified..... :		P
30.2.3.1	Parts of non-metallic material supporting connections carrying a current exceeding 0,2 A during normal operation, and		P
	parts of non-metallic material, other than small parts, within a distance of 3 mm,		P
	subjected to the glow-wire test of IEC 60695-2-11 with a test severity of 850 °C	(see appended table 30.2)	P
	Glow-wire applied to an interposed shielding material, if relevant		P
	The glow-wire test is not carried out on parts of material classified as having a glow-wire flammability index according to IEC 60695-2-12 of at least 850 °C		N/A
30.2.3.2	Parts of non-metallic material supporting connections, and		P
	parts of non-metallic material within a distance of 3mm,		P
	subjected to the glow-wire test of IEC 60695-2-11 with appropriate severity level:	(see appended table 30.2)	P
	- 750 °C, for connections carrying a current exceeding 0,2 A during normal operation		P
	- 650 °C, for other connections		P
	Glow-wire applied to an interposed shielding material, if relevant		P
	However, the glow-wire test of 750 °C or 650 °C as appropriate, is not carried out on parts of material fulfilling both or either of the following classifications:		N/A
	- a glow-wire ignition temperature according to IEC 60695-2-13 of at least:		N/A
	<ul style="list-style-type: none"> 775 °C, for connections carrying a current exceeding 0,2 A during normal operation 		N/A
	<ul style="list-style-type: none"> 675 °C, for other connections 		N/A
	- a glow-wire flammability index according to IEC 60695-2-12 of at least:		N/A
	- 750 °C, for connections carrying a current exceeding 0,2 A during normal operation		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- 650 °C, for other connections		N/A
	The glow-wire test is also not carried out on small parts. These parts are to:		N/A
	- comprise material having a glow-wire ignition temperature of at least 775 °C or 675 °C as appropriate, or		N/A
	- comprise material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or		N/A
	- comply with the needle-flame test of Annex E, or		N/A
	- comprise material classified as V-0 or V-1 according to IEC 60695-11-10		N/A
	The consequential needle-flame test of Annex E applied to non-metallic parts that encroach within the vertical cylinder placed above the centre of the connection zone and on top of the non-metallic parts supporting current-carrying connections, and parts of non-metallic material within a distance of 3 mm of such connections if these parts are those:		N/A
	- parts that withstood the glow-wire test of IEC 60695-2-11 of 750 °C or 650 °C as appropriate, but produce a flame that persist longer than 2 s, or		N/A
	- parts that comprised material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or		N/A
	- small parts, that comprised material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or		N/A
	- small parts for which the needle-flame test of Annex E was applied, or		N/A
	- small parts for which a material classification of V-0 or V-1 was applied		N/A
	However, the consequential needle-flame test is not carried out on non-metallic parts, including small parts, within the cylinder that are:		N/A
	- parts having a glow-wire ignition temperature of at least 775 °C or 675 °C as appropriate, or		N/A
	- parts comprising material classified as V-0 or V-1 according to IEC 60695-11-10, or		N/A
	- parts shielded by a flame barrier that meets the needle-flame test of Annex E or that comprises material classified as V-0 or V-1 according to IEC 60695-11-10		N/A
30.2.4	Base material of printed circuit boards subjected to the needle-flame test of Annex E	(see appended table 30.2/30.4)	P
	Test not applicable to conditions as specified :		N/A
31	RESISTANCE TO RUSTING		--

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Clause	Requirement + Test	Result - Remark	Verdict
	Relevant ferrous parts adequately protected against rusting		P
	For ovens intended for use on board ships compliance is checked by the salt mist test Kb of IEC 60068-2-52	(IEC 60335-2-6)	N/A
	– for open deck use severity 1 is applicable;		N/A
	– for dayrooms use severity 2 is applicable.		N/A
	After the test, the appliance shall not have deteriorated to such an extent that compliance with this standard, in particular with Clauses 8 and 27, is impaired. (IEC 60335-2-6)		N/A
	The coating shall not be broken and shall not have detached from the metal surface. (IEC 60335-2-6)		N/A

32	RADIATION, TOXICITY AND SIMILAR HAZARDS		P
	Appliance does not emit harmful radiation or present a toxic or similar hazard due to their operation in normal use		P
	Compliance is checked by the limits or tests specified in part 2, if relevant		N/A
32.101	Pyrolytic self-cleaning ovens shall be constructed so that the carbon monoxide is not discharged in hazardous quantities during cleaning (IEC 60335-2-6)		N/A
A	ANNEX A (INFORMATIVE) ROUTINE TESTS		--
	Description of routine tests to be carried out by the manufacturer		N/A
B	ANNEX B (NORMATIVE) APPLIANCES POWERED BY RECHARGEABLE BATTERIES THAT ARE RECHARGED IN THE APPLIANCE		--
	The following modifications to this standard are applicable for appliances powered by batteries that are recharged in the appliance		N/A
	Three forms of construction covered:		N/A
	a) Appliance supplied directly from the supply mains or a renewable energy source, the battery charging circuitry and other supply unit circuitry incorporated within the appliance		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	b) The part of the appliance incorporating the battery is supplied from the supply mains or a renewable energy source, via a detachable supply unit. The battery charging circuitry is incorporated within the part of the appliance containing the battery		N/A
	c) The part of the appliance incorporating the battery is supplied from the supply mains or a renewable energy source, via a detachable supply unit. The battery charging circuitry is incorporated within the detachable supply unit		N/A
3.1.9	Appliance operated under the following conditions:		N/A
	- the appliance, supplied by its fully charged battery, operated as specified in relevant part 2		N/A
	- the battery is charged, the battery being initially discharged to such an extent that the appliance cannot operate		N/A
	-if possible, the appliance is supplied from the supply mains through its battery charger, the battery being initially discharged to such an extent that the appliance cannot operate. The appliance is operated as specified in relevant part 2		N/A
	- if the appliance incorporates inductive coupling between two parts that are detachable from each other, the appliance is supplied from the supply mains with the detachable part removed		N/A
3.6.2	Part to be removed in order to discard the battery is not considered to be detachable		N/A
5.B.101	Appliances supplied from the supply mains tested as specified for motor-operated appliances		N/A
7.1	Battery compartment for batteries intended to be replaced by the user, marked with battery voltage (V) and polarity of the terminals..... :		N/A
	The positive terminal indicated by symbol IEC 60417-5005 and the negative terminal by symbol IEC 60417-5006		N/A
	Appliances intending to be supplied from a detachable supply unit marked with symbol IEC 60417-6181 and its type reference along with symbol ISO 7000-0790 (2004-01), or		N/A
	use only with <model designation> supply unit ... :		N/A
7.6	Additional symbols		N/A
7.12	The instructions give information regarding charging		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	The instructions for appliances incorporating batteries intended to be replaced by the user includes required information		N/A
	Instructions for appliances containing non user-replaceable batteries state the substance of the following:		N/A
	This appliance contains batteries that are only replaceable by skilled persons		N/A
	Instructions for appliances containing non-replaceable batteries shall state the substance of the following:		N/A
	This appliance contains batteries that are non-replaceable		N/A
	For appliances intending to be supplied from a detachable supply unit for the purposes of recharging the battery, the type reference of the detachable supply unit is stated along with the following:		N/A
	WARNING: For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance		N/A
	If the symbol for detachable supply unit is used, its meaning is explained		N/A
7.15	Markings placed on the part of the appliance connected to the supply mains		N/A
	The type reference of the detachable supply unit is placed in close proximity to the symbol		N/A
8.2	Appliances having batteries that according to the instruction may be replaced by the user need only have basic insulation between live parts and the inner surface of the battery compartment		N/A
	If the appliance can be operated without batteries, double or reinforced insulation required		N/A
11.7	The battery is charged for the period stated in the instructions or 24 h		N/A
11.8	Temperature rise of the battery surface does not exceed the limit in the battery manufacturer's specification; measured (K); limit (K).....		N/A
	If no limit specified, the temperature rise does not exceed 20 K; measured (K)		N/A
19.1	Appliances subjected to tests of 19.B.101, 19.B.102 and 19.B.103		N/A
19.10	Not applicable		N/A
19.B.101	Appliances supplied at rated voltage for 168 h, the battery being continually charged		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
19.B.102	For appliances having batteries that can be removed without the aid of a tool, short-circuit of the terminals of the battery, the battery being fully charged,		N/A
19.B.103	Appliances having batteries replaceable by the user supplied at rated voltage under normal operation with the battery removed or in any position allowed by the construction		N/A
19.13	The battery does not rupture or ignite		N/A
21.B.101	Appliances having pins for insertion into socket-outlets have adequate mechanical strength		N/A
	Part of the appliance incorporating the pins subjected to the free fall test, procedure 2, of IEC 60068-2-31, the number of falls being:		N/A
	- 100, if the mass of the part does not exceed 250 g (g)..... :		N/A
	- 50, if the mass of the part exceeds 250 g :		N/A
	After the test, the requirements of 8.1, 15.1.1, 16.3 and clause 29 are met		N/A
22.3	Appliances having pins for insertion into socket-outlets tested as fully assembled as possible		N/A
25.13	An additional lining or bushing not required for interconnection cords in class III appliances or class III constructions operating at safety extra-low voltage not containing live parts		N/A
30.2	For parts of the appliance connected to the supply mains during the charging period, 30.2.3 applies		N/A
	For other parts, 30.2.2 applies		N/A
C	ANNEX C (NORMATIVE) AGEING TEST ON MOTORS		--
	Tests, as described, carried out when doubt with regard to the temperature classification of the insulation of a motor winding		N/A
	Test conditions as specified		N/A
D	ANNEX D (NORMATIVE) THERMAL MOTOR PROTECTORS		--
	Applicable to appliances having motors that incorporate thermal motor protectors necessary for compliance with the standard		N/A
	Test conditions as specified		N/A
E	ANNEX E (NORMATIVE) NEEDLE-FLAME TEST		--

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Clause	Requirement + Test	Result - Remark	Verdict
	Needle-flame test carried out in accordance with IEC 60695-11-5, with the following modifications:		P
7	Severities		P
	The duration of application of the test flame is 30 s \pm 1 s		P
9	Test procedure		P
9.1	The specimen so arranged that the flame can be applied to a vertical or horizontal edge as shown in the examples of Figure 1		P
9.2	The first paragraph does not apply		P
	If possible, the flame is applied at least 10 mm from a corner		P
9.3	The test is carried out on one specimen		P
	If the specimen does not withstand the test, the test may be repeated on two additional specimens, both withstanding the test		N/A
11	Evaluation of test results		P
	The duration of burning not exceeding 30 s		N/A
	However, for printed circuit boards, the duration of burning not exceeding 15 s		P
F	ANNEX F (NORMATIVE) CAPACITORS		--
	Capacitors likely to be permanently subjected to the supply voltage, and used for radio interference suppression or voltage dividing, comply with the following clauses of IEC 60384-14, with the following modifications:		N/A
1.5	Terms and definitions		N/A
1.5.3	Class X capacitors tested according to subclass X2		N/A
1.5.4	This subclause is applicable		N/A
1.6	Marking		N/A
	Items a) and b) are applicable		N/A
3.4	Approval testing		N/A
3.4.3.2	Table 3 is applicable as described		N/A
4.1	Visual examination and check of dimensions		N/A
	This subclause is applicable		N/A
4.2	Electrical tests		N/A
4.2.1	This subclause is applicable		N/A
4.2.5	This subclause is applicable		N/A
4.2.5.2	Only table 11 is applicable		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Values for test A apply		N/A
	However, for capacitors in heating appliances the values for test B or C apply		N/A
4.12	Damp heat, steady state		N/A
	This subclause is applicable		N/A
	Only insulation resistance and voltage proof are checked		N/A
4.13	Impulse voltage		N/A
	This subclause is applicable		N/A
4.14	Endurance		N/A
	Subclauses 4.14.1, 4.14.3, 4.14.4 and 4.14.7 are applicable		N/A
4.14.7	Only insulation resistance and voltage proof are checked		N/A
	No visible damage		N/A
4.17	Passive flammability test		N/A
	This subclause is applicable		N/A
4.18	Active flammability test		N/A
	This subclause is applicable		N/A
G	ANNEX G (NORMATIVE) SAFETY ISOLATING TRANSFORMERS		--
	The following modifications to this standard are applicable for safety isolating transformers:		P
7	Marking and instructions		P
7.1	Transformers for specific use marked with:		P
	-name, trademark or identification mark of the manufacturer or responsible vendor	Huizhou City HANGSING Industrial Co.,Ltd	P
	-model or type reference.....	EF-25	P
17	Overload protection of transformers and associated circuits		P
	Fail-safe transformers comply with subclause 15.5 of IEC 61558-1		N/A
22	Construction		P
	Subclauses 19.1 and 19.1.2 of IEC 61558-2-6 are applicable		P
29	Clearances, creepage distances and solid insulation		P
29.1, 29.2, 29.3	The distances specified in items 2a, 2c and 3 in table 13 of IEC 61558-1 apply		P

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Clause	Requirement + Test	Result - Remark	Verdict
	For insulated winding wires complying with subclause 19.12.3 of IEC 61558-1 there are no requirements for clearances or creepage distances		P
	For windings providing reinforced insulation, the distance specified in item 2c of table 13 of IEC 61558-1 is not assessed		P
	For safety isolating transformers subjected to periodic voltages with a frequency exceeding 30 kHz, the clearances, creepage distances and solid insulation values specified in IEC 60664-4 are applicable, if greater than the values specified in items 2a, 2c and 3 in table 13 of IEC 61558-1		N/A
H	ANNEX H (NORMATIVE) SWITCHES		--
	Switches comply with the following clauses of IEC 61058-1, as modified below:		N/A
	The tests of IEC 61058-1 carried out under the conditions occurring in the appliance		N/A
	Before being tested, switches are operated 20 times without load		N/A
8	Marking and documentation		N/A
	Switches are not required to be marked		N/A
	However, a switch that can be tested separately from the appliance marked with the manufacturer's name or trade mark and the type reference		N/A
13	Mechanism		N/A
	The tests may be carried out on a separate sample		N/A
15	Insulation resistance and dielectric strength		N/A
15.1	Not applicable		N/A
15.2	Not applicable		N/A
15.3	Applicable for full disconnection and micro-disconnection		N/A
17	Endurance		N/A
	Compliance is checked on three separate appliances or switches		N/A
	For 17.2.4.4, the number of cycles declared according to 7.1.4 is 10 000, unless		N/A
	otherwise specified in 24.1.3 of the relevant part 2 of IEC 60335		N/A
	Switches for operation under no load and which can be operated only by a tool, and		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	switches operated by hand that are interlocked so that they cannot be operated under load,		N/A
	are not subjected to the tests		N/A
	However, switches without this interlock are subjected to the test of 17.2.4.4 for 100 cycles of operation		N/A
	Subclauses 17.2.2 and 17.2.5.2 not applicable		N/A
	The ambient temperature during the test is that occurring in the appliance during the test of Clause 11 in IEC 60335-1		N/A
	The temperature rise of the terminals not more than 30 K above the temperature rise measured in clause 11 of IEC 60335-1 (K)		N/A
20	Clearances, creepage distances, solid insulation and coatings of rigid printed board assemblies		N/A
	Clause 20 is applicable to clearances across full disconnection and micro-disconnection		N/A
	It is also applicable to creepage distances for functional insulation, across full disconnection and micro-disconnection, as stated in Table 24		N/A
I	ANNEX I (NORMATIVE) MOTORS HAVING BASIC INSULATION THAT IS INADEQUATE FOR THE RATED VOLTAGE OF THE APPLIANCE		--
	The following modifications to this standard are applicable for motors having basic insulation that is inadequate for the rated voltage of the appliance:		N/A
8	Protection against access to live parts		N/A
8.1	Metal parts of the motor are considered to be bare live parts		N/A
11	Heating		N/A
11.3	The temperature rise of the body of the motor is determined instead of the temperature rise of the windings		N/A
11.8	The temperature rise of the body of the motor, where in contact with insulating material, not exceeding values in table 3 for the relevant insulating material		N/A
16	Leakage current and electric strength		N/A
16.3	Insulation between live parts of the motor and its other metal parts is not subjected to the test		N/A
19	Abnormal operation		N/A
19.1	The tests of 19.7 to 19.9 are not carried out		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
19.I.101	Appliance operated at rated voltage with each of the following fault conditions:		N/A
	- short circuit of the terminals of the motor, including any capacitor incorporated in the motor circuit		N/A
	- short circuit of each diode of the rectifier		N/A
	- open circuit of the supply to the motor		N/A
	- open circuit of any parallel resistor, the motor being in operation		N/A
	Only one fault simulated at a time, the tests carried out consecutively		N/A
22	Construction		N/A
22.I.101	For class I appliances incorporating a motor supplied by a rectifier circuit, the d.c. circuit being insulated from accessible parts of the appliance by double or reinforced insulation		N/A
	Compliance checked by the tests specified for double and reinforced insulation		N/A
J	ANNEX J (NORMATIVE) COATED PRINTED CIRCUIT BOARDS		N/A
	Testing of protective coatings of printed circuit boards carried out in accordance with IEC 60664-3 with the following modifications:		N/A
5.7	Conditioning of the test specimens		N/A
	When production samples are used, three samples of the printed circuit board are tested		N/A
5.7.1	Cold		N/A
	The test is carried out at -25 °C		N/A
5.7.3	Rapid change of temperature		N/A
	Severity 1 is specified		N/A
5.9	Additional tests		N/A
	This subclause is not applicable		N/A
K	ANNEX K (NORMATIVE) OVERVOLTAGE CATEGORIES		--
	The information on overvoltage categories is extracted from IEC 60664-1		P
	Overvoltage category is a numeral defining a transient overvoltage condition		P
	Equipment of overvoltage category IV is for use at the origin of the installation		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Equipment of overvoltage category III is equipment in fixed installations and for cases where the reliability and the availability of the equipment is subject to special requirements		N/A
	Equipment of overvoltage category II is energy consuming equipment to be supplied from the fixed installation		P
	If such equipment is subjected to special requirements with regard to reliability and availability, overvoltage category III applies		N/A
	Equipment of overvoltage category I is equipment for connection to circuits in which measures are taken to limit transient overvoltages to an appropriate low level		N/A
L	ANNEX L (INFORMATIVE) GUIDANCE FOR THE MEASUREMENT OF CLEARANCES AND CREEPAGE DISTANCES		--
	Information for the determination of clearances and creepage distances		P
M	ANNEX M (NORMATIVE) POLLUTION DEGREE		--
	The information on pollution degrees is extracted from IEC 60664-1		P
	Pollution		P
	The microenvironment determines the effect of pollution on the insulation, taking into account the macroenvironment		P
	Means may be provided to reduce pollution at the insulation by effective enclosures or similar		P
	Minimum clearances specified where pollution may be present in the microenvironment		P
	Degrees of pollution in the microenvironment		P
	For evaluating creepage distances, the following degrees of pollution in the microenvironment are established:		P
	- pollution degree 1: no pollution or only dry, non-conductive pollution occurs. The pollution has no influence	For heating element	P
	- pollution degree 2: only non-conductive pollution occurs, except that occasionally a temporary conductivity caused by condensation is to be expected	For relay inner	P

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Clause	Requirement + Test	Result - Remark	Verdict
	- pollution degree 3: conductive pollution occurs or dry non-conductive pollution occurs that becomes conductive due to condensation that is to be expected		P
	- pollution degree 4: the pollution generates persistent conductivity caused by conductive dust or by rain or snow		N/A
N	ANNEX N (NORMATIVE) PROOF TRACKING TEST		--
	The proof tracking test is carried out in accordance with IEC 60112 with the following modifications:		P
7	Test apparatus		P
7.3	Test solutions		P
	Test solution A is used		P
10	Determination of proof tracking index (PTI)		P
10.1	Procedure		P
	The proof voltage is 100V, 175V, 400V or 600V .. :	175V	P
	The test is carried out on five specimens		P
	In case of doubt, additional test with proof voltage reduced by 25V, the number of drops increased to 100		N/A
10.2	Report		P
	The report states if the PTI value was based on a test using 100 drops with a test voltage of (PTI-25) V		N/A
O	ANNEX O (INFORMATIVE) SELECTION AND SEQUENCE OF THE TESTS OF CLAUSE 30		--
	Description of tests for determination of resistance to heat and fire		P
P	ANNEX P (INFORMATIVE) GUIDANCE FOR THE APPLICATION OF THIS STANDARD TO APPLIANCES USED IN TROPICAL CLIMATES		--
	Modifications applicable for class 0 and 01 appliances having a rated voltage exceeding 150V, intended to be used in countries having a tropical climate and that are marked symbol IEC 60417-6332		N/A
	Modifications may also be applied to class 1 appliances having a rated voltage exceeding 150V, intended to be used in countries having a tropical climate and that are marked symbol IEC 60417-6332, if liable to be connected to a supply mains that excludes the protective earthing conductor		N/A
5.7	The ambient temperature for the tests of clauses 11 and 13 is 40 +3/0 °C		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
7.1	The appliance marked with the letters symbol IEC 60417-6332		N/A
7.12	The instructions state that the appliance is to be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30 mA		N/A
	The instructions state that the appliance is considered to be suitable for use in countries having a warm damp equable climate, but may also be used in other countries		N/A
	If symbol IEC 60417-6332 is used, its meaning is explained		N/A
11.8	The values of Table 3 are reduced by 15 K		N/A
13.2	The leakage current for class I appliances not exceeding 0,5 mA		N/A
15.3	The value of t is 37 °C		N/A
16.2	The leakage current for class I appliances not exceeding 0,5 mA (mA):		N/A
19.13	The leakage current test of 16.2 is applied in addition to the electric strength test of 16.3		N/A
Q	ANNEX Q (INFORMATIVE) SEQUENCE OF TESTS FOR THE EVALUATION OF ELECTRONIC CIRCUITS		--
	Description of tests for appliances incorporating electronic circuits		P
R	ANNEX R (NORMATIVE) SOFTWARE EVALUATION		--
	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2 validated in accordance with the requirements of this annex		N/A
R.1	Programmable electronic circuits using software		N/A
	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2 constructed so that the software does not impair compliance with the requirements of this standard		N/A
R.2	Requirements for the architecture		N/A
	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2 use measures to control and avoid software-related faults/errors in safety-related data and safety-related segments of the software		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
R.2.1.1	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.2 have one of the following structures:		N/A
	- single channel with periodic self-test and monitoring		N/A
	- dual channel (homogenous) with comparison		N/A
	- dual channel (diverse) with comparison		N/A
	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 have one of the following structures:		N/A
	- single channel with functional test		N/A
	- single channel with periodic self-test		N/A
	- dual channel without comparison		N/A
R.2.2	Measures to control faults/errors		N/A
R.2.2.1	When redundant memory with comparison is provided on two areas of the same component, the data in one area is stored in a different format from that in the other area		N/A
R.2.2.2	Programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.2 and that use dual channel structures with comparison, have additional fault/error detection means for any fault/errors not detected by the comparison		N/A
R.2.2.3	For programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, means are provided for the recognition and control of errors in transmissions to external safety-related data paths		N/A
R.2.2.4	For programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, the programmable electronic circuits incorporate measures to address the fault/errors in safety-related segments and data indicated in table R.1 and R.2 as appropriate		N/A
R.2.2.5	For programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in Table R.1 or Table R.2, detection of a fault/error shall occur before compliance with Clause 19 and subclauses 22.123, 22.124, 22.134 and 32.101 is impaired. (IEC 60335-2-6)		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
R.2.2.6	The software is referenced to relevant parts of the operating sequence and the associated hardware functions		N/A
R.2.2.7	Labels used for memory locations are unique		N/A
R.2.2.8	The software is protected from user alteration of safety-related segments and data		N/A
R.2.2.9	The software and safety-related hardware under its control shall be initialized and shall terminate before compliance with Clause 19 and subclauses 22.123, 22.124, 22.134 and 32.101 is impaired. (IEC 60335-2-6)		N/A
R.3	Measures to avoid errors		N/A
R.3.1	General		N/A
	For programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, the following measures to avoid systematic fault in the software are applied		N/A
	Software that incorporates measures used to control the fault/error conditions specified in table R.2 is inherently acceptable for software required to control the fault/error conditions specified in table R.1		N/A
R.3.2	Specification		N/A
R.3.2.1	Software safety requirements:		N/A
	The specification of the software safety requirements includes the descriptions listed		N/A
R.3.2.2	Software architecture		N/A
R.3.2.2.1	The specification of the software architecture includes the aspects listed - techniques and measures to control software faults/errors (refer to R.2.2); - interactions between hardware and software; - partitioning into modules and their allocation to the specified safety functions; - hierarchy and call structure of the modules (control flow); - interrupt handling; - data flow and restrictions on data access; - architecture and storage of data; - time-based dependencies of sequences and data		N/A
R.3.2.2.2	The architecture specification is validated against the specification of the software safety requirements by static analysis		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
R.3.2.3	Module design and coding		N/A
R.3.2.3.1	Based on the architecture design, software is suitably refined into modules		N/A
	Software module design and coding is implemented in a way that is traceable to the software architecture and requirements		N/A
R.3.2.3.2	Software code is structured		N/A
R.3.2.3.3	Coded software is validated against the module specification by static analysis		N/A
	The module specification is validated against the architecture specification by static analysis		N/A
R.3.3.3	Software validation		N/A
	The software is validated with reference to the requirements of the software safety requirements specification		N/A
	Compliance is checked by simulation of:		N/A
	- input signals present during normal operation		N/A
	- anticipated occurrences		N/A
	- undesired conditions requiring system action		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

TABLE R.1 ^e – GENERAL FAULT/ERROR CONDITIONS						
Component ^a	Fault/error	Acceptable measures ^{b, c}	Definitions	Document reference for applied measure	Document reference for applied test	Verdict
1 CPU 1.1 Registers	Stuck at	Functional test, or periodic self-test using either: - static memory test, or - word protection with single bit redundancy	H.2.16.5 H.2.16.6 H.2.19.6 H.2.19.8.2			N/A
1.2 VOID						N/A
1.3 Programme counter	Stuck at	Functional test, or Periodic self-test, or Independent time-slot monitoring, or Logical monitoring of the programme sequence	H.2.16.5 H.2.16.6 H.2.18.10.4 H.2.18.10.2			N/A
2 Interrupt handling and execution	No interrupt or too frequent interrupt	Functional test, or time-slot monitoring	H.2.16.5 H.2.18.10.4			N/A
3 Clock	Wrong frequency (for quartz synchronized clock: harmonics/sub-harmonics only)	Frequency monitoring, or time slot monitoring	H.2.18.10.1 H.2.18.10.4			N/A
4. Memory 4.1 Invariable memory	All single bit faults	Periodic modified checksum, or multiple checksum, or word protection with single bit redundancy	H.2.19.3.1 H.2.19.3.2 H.2.19.8.2			N/A
4.2 Variable memory	DC fault	Periodic static memory test, or word protection with single bit redundancy	H.2.19.6 H.2.19.8.2			N/A

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Clause	Requirement + Test		Result - Remark			Verdict
4.3 Addressing (relevant to variable and invariable memory)	Stuck at	Word protection with single bit redundancy including the address	H.2.19.8.2	--	--	N/A
5 Internal data path	Stuck at	Word protection with single bit redundancy	H.2.19.8.2	--	--	N/A
5.1 VOID						N/A
5.2 Addressing	Wrong address	Word protection with single bit redundancy including the address	H.2.19.8.2	--	--	N/A
6 External communication	Hamming distance 3	Word protection with multi-bit redundancy, or CRC – single work, or Transfer redundancy, or Protocol test	H.2.19.8.1 H.2.19.4.1 H.2.18.2.2 H.2.18.14			N/A
6.1 VOID						N/A
6.2 VOID						N/A
6.3 Timing	Wrong point in time Wrong sequence	Time-slot monitoring, or scheduled transmission Time-slot and logical monitoring, or comparison of redundant communication channels by either: - reciprocal comparison - independent hardware comparator Logical monitoring, or time-slot monitoring, or Scheduled transmission	H.2.18.10.4 H.2.18.18 H.2.18.10.3 H.2.18.15 H.2.18.3 H.2.18.10.2 H.2.18.10.4 H.2.18.18			N/A
7 Input/output periphery	Fault conditions specified in 19.11.2	Plausibility check	H.2.18.13			N/A
7.1 VOID						N/A

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Clause	Requirement + Test			Result - Remark		Verdict
7.2 Analog I/O						N/A
7.2.1 A/D and D/A- converter	Fault conditions specified in 19.11.2	Plausibility check	H.2.18.13			
7.2.2 Analog multiplexer	Wrong addressing	Plausibility check	H.2.18.13			N/A
8 VOID						N/A
9 Custom chips ^d e.g. ASIC, GAL, gate array	Any output outside the static and dynamic functional specification	Periodic self-test	H.2.16.6			N/A
NOTE A Stuck-at fault model denotes a fault model representing an open circuit or a non-varying signal level. A DC fault model denotes a stuck-at fault model incorporating short circuit between signal lines.						
<p>a) For fault/error assessment, some components are divided into their sub-functions.</p> <p>b) For each sub-function in the table, the Table R.2 measure will cover the software fault/error.</p> <p>c) Where more than one measure is given for a sub-function, these are alternatives.</p> <p>d) To be divided as necessary by the manufacturer into sub-functions.</p> <p>e) Table R.1 is applied according to the requirements of R.1 to R.2.2.9 inclusive.</p>						

S	ANNEX S (NORMATIVE) BATTERY OPERATED APPLIANCES POWERED BY BATTERIES THAT ARE NON-RECHARGEABLE OR NOT RECHARGED IN THE APPLIANCE			--
	The following modifications to this standard are applicable for battery-operated appliances where the batteries are either non-rechargeable (primary batteries), or			N/A
	rechargeable batteries (secondary batteries) that are not recharged in the appliance			N/A
5.8.1	If the supply terminals for the connection of the battery have no indication of polarity, the more unfavourable polarity is applied			N/A
5.S.101	Appliances intended for use with a battery box are tested with the battery box supplied with the appliance or with the battery box recommended in the instructions			N/A
5.S.102	Appliances are tested as motor-operated appliances.			N/A
7.1	Appliances marked with the battery voltage (V) and the polarity of the terminals, unless.....::			N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	the polarity is irrelevant		N/A
	Appliances also marked with:		N/A
	– name, trade mark or identification mark of the manufacturer or responsible vendor		N/A
	– model or type reference		N/A
	– IP number according to degree of protection against ingress of water, other than IPX0 ..		N/A
	– type reference of battery or batteries		N/A
	If relevant, the positive terminal is indicated by the symbol IEC 60417-5005 and the negative terminal by the symbol IEC 60417-5006		N/A
	If appliances use more than one battery, they are marked to indicate correct polarity connection of the batteries		N/A
7.6	Additional symbols		N/A
7.12	The instructions contain the following, as applicable:		N/A
	– the types of batteries that may be used ..		N/A
	– how to remove and insert the batteries		N/A
	– non-rechargeable batteries are not to be recharged		N/A
	– rechargeable batteries are to be removed from the appliance before being charged		N/A
	– different types of batteries or new and used batteries are not to be mixed		N/A
	– batteries are to be inserted with the correct polarity		N/A
	– exhausted batteries are to be removed from the appliance and safely disposed of		N/A
	– if the appliance is to be stored unused for a long period, the batteries are removed		N/A
	– the supply terminals are not to be short-circuited		N/A
11.5	Appliances are supplied with the most unfavourable supply voltage between		N/A
	– 0,55 and 1,0 times the battery voltage, if the appliance can be used with non-rechargeable batteries		N/A
	– 0,75 and 1,0 times battery voltage, if the appliance is designed for use with rechargeable batteries only		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	The values specified in Table S.101 for the internal resistance per cell of the battery is taken into account		N/A
19.1	The tests are carried out with the battery fully charged unless otherwise specified		N/A
19.13	The battery does not rupture or ignite		N/A
19.S.101	Appliances are supplied with the voltage specified in 11.5. The supply terminals having an indication of polarity are connected to the opposite polarity, unless		N/A
	such a connection is unlikely to occur due to the construction of the appliance		N/A
19.S.102	For appliances with provision for multiple batteries, one or more of the batteries are reversed and the appliance is operated, if reversal of batteries is allowed by the construction		N/A
25.5	The flexible leads or flexible cord used to connect an external battery or battery box in is connected to the appliance by a type X attachment		N/A
25.13	This requirement is not applicable to the flexible leads or flexible cord connecting external batteries or a battery box with an appliance		N/A
25.S.101	Appliances have suitable means for connection of the battery. If the type of battery is marked on the appliance, the means of connection is suitable for this type of battery		N/A
26.5	Terminal devices in an appliance for the connection of the flexible leads or flexible cord connecting an external battery or battery box are so located or shielded that there is no risk of accidental connection between supply terminals		N/A
30.2.3.2	There is no battery in the area of the vertical cylinder used for the consequential needle flame test, unless		N/A
	the battery is shielded by a barrier that meets the needle flame test of Annex E, or		N/A
	that comprises material classified as V-0 or V-1 according to IEC 60695-11-10		N/A
T	ANNEX T (NORMATIVE) UV-C RADIATION EFFECT ON NON-METALLIC MATERIALS		--
	Requirements for non-metallic materials subject to direct or reflected UV-C radiation exposure and whose mechanical and electrical properties are relied upon for compliance with the		N/A

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
	Does not apply to glass, ceramic and similar materials		N/A
	Tested as specified in ISO 4892-1 and ISO 4892-2, with the following modifications:		N/A
	Modifications to ISO 4892-1:		N/A
5.1.6	The UV-C emitter is a low pressure mercury lamp with a quartz envelope having a continuous spectral irradiance of 10 W/m ² at 254 nm		N/A
	Subclause 5.1.6.1 and Table 1 are not applicable		N/A
5.2.4	The black-panel temperature shall be 63 °C +/- 3 °C		N/A
5.3.1	Humidification of the chamber air is specified in part 2 when necessary		N/A
9	This clause is not applicable		N/A
	Modifications to ISO 4892-2:		N/A
7.1	At least three test specimens are tested		N/A
	Ten samples of internal wiring is tested		N/A
7.2	The specimens are attached to the specimen holders such that they are not subject to any stress		N/A
7.3	Apparatus prepared as specified		N/A
	The test specimens and, if used, the irradiance-measuring instrument are exposed for 1 000 h		N/A
7.4	If used, a radiometer is mounted and calibrated such that it measures the irradiance at the exposed surface of the test specimen		N/A
7.5	Material properties and test methods for parts providing mechanical support or impact resistance as specified in Table T.1		N/A
	Material properties and test method for electrical insulation of internal wiring as specified in Table T.2		N/A
8	This clause is not applicable		N/A

IEC 60335-2-6					
Clause	Requirement + Test	Result - Remark			Verdict
10.1	TABLE: Power input deviation				P
Input deviation of/at:	P rated (W)	P measured (W)	ΔP	Required ΔP	Remark
230V, 50Hz	3000	2806	-6.5%	-10%, +5%	--
230V, 60Hz	3000	2819	-6.0%	-10%, +5%	--
Supplementary information: N/A					

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

11.8 TABLE: Heating test				P
Test voltage (V).....		See below data		—
..... :				
Ambient (°C).....		See below data		—
..... :				
Thermocouple locations:		Max. temperature rise measured, ΔT (K)	Max. temperature rise limit, ΔT (K)	
Clause 11.8, Fan grill function, tested at 3759.5W, 267.8V, Ambient, t1: 23.1°C, t2: 23.5°C				
Power cord junction point		36.0	50	
Plug		10.9	45	
Lamp cover		255.9	Ref.	
Power cord box		46.4	Cl.30	
Container plastic		44.8	Cl.30	
Heating element lead wire (hottest)		74.3	T200-25=175	
Fan motor lead wire		53.6	T200-25=175	
NTC lead wire (hottest)		59.3	T200-25=175	
Control PCB lead wire		61.2	T200-25=175	
Other lead wire		52.4	T200-25=175	
Main PCB surface		50.4	Cl.30	
Varistor		51.0	T105-25=80	
X2 capacitor		50.3	T100-25=75	
Relay 1		49.9	T85-25=60	
Relay 2		52.1	T85-25=60	

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Clause	Requirement + Test	Result - Remark	Verdict
Relay 3		54.7	T85-25=60
Y capacitor		49.4	T125-25=100
Pri. Winding of transformer		48.5	Class A, 65
Sec. Winding of transformer		48.4	Class A, 65
Opto-coupler		48.4	T110-25=85
Fan motor winding (top)		102.9	Class H, 140
Fan motor winding (back)		126.0	Class H, 140
Sync. Motor winding (for door)		39.9	Class B, 95
Valve 1		59.0	Class A, 65
Valve 2		53.7	Class A, 65
Lamp holder 1		131.8	T300-25=275
Lamp holder 2		131.4	T300-25=275
Micro switch for container		54.2	T105-25=80
Micro switch for door		58.8	T105-25=80
Thermal cut-out for heating element (top)		69.5	Ref.
Thermal link for heating element (Evaporation)		114.9	Ref.
Thermal link for heating element (boiling, bottom)		170.3	Ref.
Handle		22.1	34
Control panel		28.0	45
Door surface 1 (for 11.101)		67.2	Ref.
Door surface 2 (for 11.101)		77.7	Ref.
Mounting surface 1		37.6	70
Mounting surface 2		15.3	70
Mounting surface 3		21.4	70
Mounting surface 4		26.5	70
Mounting surface 5		9.4	70
Oven centre		228.3	Ref.
Clause 11.8, High-Temp Steam function, tested at 3380.9W, 265.7V, Ambient, t1: 21.1°C, t2: 22.3°C			
Power cord junction point		27.5	50
Plug		6.5	45
Lamp cover		173.0	Ref.
Power cord box		33.1	Cl.30
Container plastic		34.5	Cl.30

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Clause	Requirement + Test	Result - Remark	Verdict
	Heating element lead wire (hottest)	62.4	T200-25=175
	Fan motor lead wire	43.1	T200-25=175
	NTC lead wire (hottest)	67.1	T200-25=175
	Control PCB lead wire	47.9	T200-25=175
	Other lead wire	41.7	T200-25=175
	Main PCB surface	42.3	Cl.30
	Varistor	43.5	T105-25=80
	X2 capacitor	42.7	T100-25=75
	Relay 1	41.5	T85-25=60
	Relay 2	41.7	T85-25=60
	Relay 3	41.4	T85-25=60
	Y capacitor	42.7	T125-25=100
	Pri. Winding of transformer	41.9	Class A, 65
	Sec. Winding of transformer	42.1	Class A, 65
	Opto-coupler	43.4	T110-25=85
	Fan motor winding (top)	99.4	Class H, 140
	Fan motor winding (back)	101.1	Class H, 140
	Sync. Motor winding (for door)	31.3	Class B, 95
	Valve 1	46.6	Class A, 65
	Valve 2	47.0	Class A, 65
	Lamp holder 1	117.0	T300-25=275
	Lamp holder 2	112.7	T300-25=275
	Micro switch for container	50.4	T105-25=80
	Micro switch for door	42.2	T105-25=80
	Thermal cut-out for heating element (top)	54.1	Ref.
	Thermal link for heating element (Evaporation)	106.9	Ref.
	Thermal link for heating element (boiling, bottom)	113.9	Ref.
	Handle	11.9	34
	Control panel	20.6	45
	Door surface 1 (for 11.101)	39.5	Ref.
	Door surface 2 (for 11.101)	38.6	Ref.
	Mounting surface 1	20.1	70
	Mounting surface 2	8.9	70

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Clause	Requirement + Test	Result - Remark	Verdict
	Mounting surface 3	14.2	70
	Mounting surface 4	24.5	70
	Mounting surface 5	6.4	70
	Oven centre	144.8	Ref.
Clause 11.8, 3D Hot Air function, tested at 3193.1W, 257.9V, Ambient, t1: 22.2°C, t2: 23.1°C			
	Power cord junction point	40.3	50
	Plug	8.7	45
	Lamp cover	256.4	Ref.
	Power cord box	52.3	Cl.30
	Container plastic	57.3	Cl.30
	Heating element lead wire (hottest)	83.6	T200-25=175
	Fan motor lead wire	64.6	T200-25=175
	NTC lead wire (hottest)	74.2	T200-25=175
	Control PCB lead wire	65.4	T200-25=175
	Other lead wire	63.9	T200-25=175
	Main PCB surface	58.4	Cl.30
	Varistor	59.2	T105-25=80
	X2 capacitor	58.9	T100-25=75
	Relay 1	56.7	T85-25=60
	Relay 2	57.7	T85-25=60
	Relay 3	59.0	T85-25=60
	Y capacitor	62.4	T125-25=100
	Pri. Winding of transformer	61.7	Class A, 65
	Sec. Winding of transformer	61.3	Class A, 65
	Opto-coupler	60.2	T110-25=85
	Fan motor winding (top)	110.5	Class H, 140
	Fan motor winding (back)	126.7	Class H, 140
	Sync. Motor winding (for door)	47.6	Class B, 95
	Valve 1	61.2	Class A, 65
	Valve 2	63.9	Class A, 65
	Lamp holder 1	113.1	T300-25=275
	Lamp holder 2	143.1	T300-25=275
	Micro switch for container	63.6	T105-25=80

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Clause	Requirement + Test	Result - Remark	Verdict
	Micro switch for door	61.0	T105-25=80
	Thermal cut-out for heating element (top)	76.6	Ref.
	Thermal link for heating element (Evaporation)	66.3	Ref.
	Thermal link for heating element (boiling, bottom)	178.7	Ref.
	Handle	22.4	34
	Control panel	32.6	45
	Door surface 1 (for 11.101)	68.3	Ref.
	Door surface 2 (for 11.101)	80.3	Ref.
	Mounting surface 1	41.7	70
	Mounting surface 2	15.1	70
	Mounting surface 3	16.1	70
	Mounting surface 4	31.7	70
	Mounting surface 5	9.0	70
	Oven centre	251.5	Ref.
Clause 11.8, Bottom Hot Air function, tested at 3193.1W, 265.9V, Ambient, t1: 21.3°C, t2: 22.8°C			
	Power cord junction point	36.1	50
	Plug	7.3	45
	Lamp cover	231.4	Ref.
	Power cord box	47.6	Cl.30
	Container plastic	49.8	Cl.30
	Heating element lead wire (hottest)	76.1	T200-25=175
	Fan motor lead wire	58.5	T200-25=175
	NTC lead wire (hottest)	68.5	T200-25=175
	Control PCB lead wire	58.3	T200-25=175
	Other lead wire	57.7	T200-25=175
	Main PCB surface	54.9	Cl.30
	Varistor	55.2	T105-25=80
	X2 capacitor	55.2	T100-25=75
	Relay 1	53.0	T85-25=60
	Relay 2	53.6	T85-25=60
	Relay 3	54.3	T85-25=60
	Y capacitor	59.6	T125-25=100
	Pri. Winding of transformer	60.4	Class A, 65

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Clause	Requirement + Test	Result - Remark	Verdict
	Sec. Winding of transformer	59.8	Class A, 65
	Opto-coupler	56.1	T110-25=85
	Fan motor winding (top)	104.3	Class H, 140
	Fan motor winding (back)	128.0	Class H, 140
	Sync. Motor winding (for door)	41.2	Class B, 95
	Valve 1	59.6	Class A, 65
	Valve 2	56.0	Class A, 65
	Lamp holder 1	60.4	T300-25=275
	Lamp holder 2	135.2	T300-25=275
	Micro switch for container	56.1	T105-25=80
	Micro switch for door	54.8	T105-25=80
	Thermal cut-out for heating element (top)	69.6	Ref.
	Thermal link for heating element (Evaporation)	61.1	Ref.
	Thermal link for heating element (boiling, bottom)	149.7	Ref.
	Handle	19.9	34
	Control panel	28.4	45
	Door surface 1 (for 11.101)	59.0	Ref.
	Door surface 2 (for 11.101)	67.7	Ref.
	Mounting surface 1	42.8	70
	Mounting surface 2	18.0	70
	Mounting surface 3	14.9	70
	Mounting surface 4	29.6	70
	Mounting surface 5	8.6	70
	Oven centre	210.4	Ref.
Clause 11.8, Dry function, tested at 2817.4W, 266.4V, Ambient, t1: 22.6°C, t2: 22.4°C			
	Power cord junction point	18.2	50
	Plug	6.8	45
	Lamp cover	183.3	Ref.
	Power cord box	26.0	Cl.30
	Container plastic	15.8	Cl.30
	Heating element lead wire (hottest)	34.8	T200-25=175
	Fan motor lead wire	25.8	T200-25=175
	NTC lead wire (hottest)	28.9	T200-25=175

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Clause	Requirement + Test	Result - Remark	Verdict
	Control PCB lead wire	29.3	T200-25=175
	Other lead wire	24.1	T200-25=175
	Main PCB surface	28.4	Cl.30
	Varistor	29.1	T105-25=80
	X2 capacitor	29.5	T100-25=75
	Relay 1	27.0	T85-25=60
	Relay 2	26.9	T85-25=60
	Relay 3	26.6	T85-25=60
	Y capacitor	30.6	T125-25=100
	Pri. Winding of transformer	30.3	Class A, 65
	Sec. Winding of transformer	30.0	Class A, 65
	Opto-coupler	30.8	T110-25=85
	Fan motor winding (top)	55.0	Class H, 140
	Fan motor winding (back)	68.3	Class H, 140
	Sync. Motor winding (for door)	16.2	Class B, 95
	Valve 1	21.9	Class A, 65
	Valve 2	21.3	Class A, 65
	Lamp holder 1	29.4	T300-25=275
	Lamp holder 2	106.7	T300-25=275
	Micro switch for container	22.2	T105-25=80
	Micro switch for door	26.0	T105-25=80
	Thermal cut-out for heating element (top)	39.0	Ref.
	Thermal link for heating element (Evaporation)	27.2	Ref.
	Thermal link for heating element (boiling, bottom)	110.0	Ref.
	Handle	7.2	34
	Control panel	10.6	45
	Door surface 1 (for 11.101)	25.6	Ref.
	Door surface 2 (for 11.101)	24.6	Ref.
	Mounting surface 1	17.0	70
	Mounting surface 2	6.6	70
	Mounting surface 3	8.9	70
	Mounting surface 4	11.8	70
	Mounting surface 5	4.2	70

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Clause	Requirement + Test	Result - Remark	Verdict
Oven centre		177.7	Ref.
Supplementary information: N/A			

11.8	TABLE: Heating test, resistance method					P
	Test voltage (V)				See below data	—
	Ambient, t1 (°C)				See below data	—
	Ambient, t2 (°C)				See below data	—
Temperature rise of winding:	R1 (Ω)	R2 (Ω)	Δ T (K)	Max. Δ T (K)	Insulation class	
Clause 11.8, Fan grill function, tested at 3759.5W, 267.8V, Ambient, t1: 23.1°C, t2: 23.5°C						
Fan motor winding (top)	438	628	111.3	140	Class H	
Fan motor winding (back)	138.1	210.2	134.1	140	Class H	
Sync. Motor winding (for door)	5450	6487	48.6	95	Class B	
Clause 11.8, High-Temp Steam function, tested at 3380.9W, 265.7V, Ambient, t1: 21.1°C, t2: 22.3°C						
Fan motor winding (top)	438	626	108.5	140	Class H	
Fan motor winding (back)	138.1	198.4	110.4	140	Class H	
Sync. Motor winding (for door)	5450	6343	40.7	95	Class B	
Clause 11.8, 3D Hot Air function, tested at 3193.1W, 257.9V, Ambient, t1: 22.2°C, t2: 23.1°C						
Fan motor winding (top)	438	643	119.2	140	Class H	
Fan motor winding (back)	138.1	211.3	135.4	140	Class H	
Sync. Motor winding (for door)	5450	6664	56.3	95	Class B	
Clause 11.8, Bottom Hot Air function, tested at 3193.1W, 265.9V, Ambient, t1: 21.3°C, t2: 22.8°C						
Fan motor winding (top)	438	634	113.0	140	Class H	
Fan motor winding (back)	138.1	213.0	137.2	140	Class H	
Sync. Motor winding (for door)	5450	6554	50.3	95	Class B	
Clause 11.8, Dry function, tested at 2817.4W, 266.4V, Ambient, t1: 22.6°C, t2: 22.4°C						
Fan motor winding (top)	438	547	64.2	140	Class H	
Fan motor winding (back)	138.1	179.6	77.5	140	Class H	
Sync. Motor winding (for door)	5450	5993	25.8	95	Class B	
Supplementary information: N/A						

11.101	TABLE: Temperature rise limits for accessible surfaces specifications			P
test step n°/ function	temperature	duration	Limit	

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Clause	Requirement + Test	Result - Remark	Verdict
Clause 11.101, tested at 2449.8W, 240V, Ambient, t1: 22.0°C, t2: 22.5°C			
Front surface 1, Glass	45.7	60min	60
Front surface 2, Glass	57.6	60min	60
Front surface 3, Glass	42.7	60min	60
Front surface 4, Glass	21.2	60min	60
Front surface 1, coated metal	20.3	60min	55
Front surface 2, coated metal	14.7	60min	55
Front surface 3, coated metal	20.6	60min	55
Supplementary information: N/A			

13.2	TABLE: Leakage current			P
	Heating appliances: 1.15 x rated input (W) .. :	Same as Cl.11.8		—
	Motor-operated and combined appliances: 1.06 x rated voltage (V) .. :	N/A		—
Leakage current between:		I (mA)	Max. allowed I (mA)	
L/N and earthed part		0.004	3.0	
L/N and control panel/ power cord box		0.013	0.35 peak	
Supplementary information: N/A				

13.3	TABLE: Dielectric strength			P
Test voltage applied between:		Test potential applied (V)	Breakdown / flashover (Yes/No)	
L/N and earthed part		1000	No	
L/N and control panel/ power cord box		3000	No	
Internal wire and control panel/ power cord box		1750	No	
Supplementary information: N/A				

14	TABLE: Transient overvoltages					N/A
Clearance between:		CI (mm)	Required CI (mm)	Rated impulse voltage (V)	Impulse test voltage (V)	Flashover (Yes/No)
Supplementary information:						

16.2	TABLE: Leakage current			P
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Clause	Requirement + Test	Result - Remark	Verdict
	Single phase appliances: 1.06 x rated voltage (V)	1.06x240V=254.4V	—
	Three phase appliances 1.06 x rated voltage divided by $\sqrt{3}$ (V)	N/A	—
Leakage current between:		I (mA)	Max. allowed I (mA)
L/N and earthed part		0.006	3.0
L/N and control panel/ power cord box		0.016	0.25
Supplementary information: N/A			

16.3	TABLE: Dielectric strength		P
Test voltage applied between:		Test potential applied (V)	Breakdown / flashover (Yes/No)
L/N and earthed part		1250	No
L/N and control panel/ power cord box		3000	No
Internal wire and control panel/ power cord box		1750	No
Supplementary information: N/A			

17	TABLE: Overload protection		P
Thermocouple locations:		Max. temperature rise measured, ΔT (K)	Max. temperature rise limit, ΔT (K)
Short circuit			
Primary winding of transformer		15.7	Class A, 150-25=125
Secondary winding of transformer		14.3	Class A, 150-25=125
SELV wire		2.4	T125-10=115
Overload			
Primary winding of transformer		74.9	Class A, 150-25=125
Secondary winding of transformer		76.5	Class A, 150-25=125
SELV wire		7.3	T125-10=115
Supplementary information: Until steady condition.			

17	TABLE: Overload protection, resistance method					N/A
	Test voltage (V)					—
	Ambient, t1 (°C)					—
	Ambient, t2 (°C)					—
Temperature of winding:		R1 (Ω)	R2 (Ω)	ΔT (K)	T (°C)	Max. T (°C)

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Clause	Requirement + Test	Result - Remark	Verdict
Supplementary information:			

19		Abnormal operation conditions						P
Operational characteristics		YES/NO	Operational conditions					
Are there electronic circuits to control the appliance operation?		YES	Electronic control					
Are there "off" or "stand-by" position?		YES	Stand-by position					
The unintended operation of the appliance results in dangerous malfunction?		No	N/A					
Sub-clause	Operating conditions description	Test results description	PEC description	EMP 19.11.4	Software type required	19.11.3 PEC	Final result	
19.2	0.85 times rated input power	No hazard	N/A	N/A	N/A	N/A	P	
19.3	1.24 times rated input power	No hazard	N/A	N/A	N/A	N/A	P	
19.4	1.15 times rated input power	No hazard	N/A	N/A	N/A	N/A	P	
19.5	1.15 times rated input power	No hazard	N/A	N/A	N/A	N/A	P	
19.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
19.7	240V	No hazard	N/A	N/A	N/A	N/A	P	
19.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
19.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
19.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
19.11.2	240V	No hazard	N/A	N/A	N/A	N/A	P	
19.11.4.8	240V	No hazard	N/A	N/A	N/A	N/A	P	
19.10X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Supplementary information: N/A								

19.7	TABLE: Abnormal operation, locked rotor/moving parts		P
	Test voltage (V)	240V	—

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Clause	Requirement + Test	Result - Remark			Verdict	
	Ambient, t1 (°C)	See below data			—	
	Ambient, t2 (°C)	See below data			—	
Temperature of winding:		R1 (Ω)	R2 (Ω)	Δ T (K)	T (°C)	Max. T (°C)
Ambient, t ₁ : 16.5°C, t ₂ : 17.6°C						
Fan motor winding (top)		438	721	161.1	186.1	210
Fan motor winding (back)		138.1	216.4	141.2	166.2	210
Sync. Motor winding (for door)		5450	7749	104.8	129.8	175
Supplementary information: N/A						

19.9	TABLE: Abnormal operation, running overload				N/A	
	Test voltage (V)				—	
	Ambient, t1 (°C)				—	
	Ambient, t2 (°C)				—	
Temperature of winding:		R1 (Ω)	R2 (Ω)	Δ T (K)	T (°C)	Max. T (°C)
Supplementary information:						

19.13	TABLE: Abnormal operation, temperature rises		P
Thermocouple locations:		Max. temperature rise measured, Δ T (K)	Max. temperature rise limit, Δ T (K)
Clause 19.2, Fan grill function, NTC was disabled			
Power cord junction point		27.5	150
Mounting surface 1		45.2	150
Mounting surface 2		19.3	150
Mounting surface 3		21.5	150
Mounting surface 4		8.4	150
Mounting surface 5		33.0	150
Centre of the oven		221.7	425-25=400
Power cord box		34.7	Clause 30.1
Container plastic		39.2	Clause 30.1
Clause 19.3, Fan grill function, NTC was disabled			
Power cord junction point		29.0	150
Mounting surface 1		46.8	150
Mounting surface 2		22.1	150

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Clause	Requirement + Test	Result - Remark	Verdict
	Mounting surface 3	23.6	150
	Mounting surface 4	4.6	150
	Mounting surface 5	28.4	150
	Centre of the oven	227.9	425-25=400
	Power cord box	37.6	Clause 30.1
	Container plastic	41.8	Clause 30.1
Clause 19.2, High-Temp Steam function, NTC was disabled			
	Power cord junction point	7.4	150
	Mounting surface 1	2.3	150
	Mounting surface 2	12.4	150
	Mounting surface 3	12.5	150
	Mounting surface 4	0.6	150
	Mounting surface 5	0.8	150
	Centre of the oven	42.6	425-25=400
	Power cord box	11.2	Clause 30.1
	Container plastic	8.2	Clause 30.1
Clause 19.3, High-Temp Steam function, NTC was disabled			
	Power cord junction point	3.7	150
	Mounting surface 1	1.0	150
	Mounting surface 2	4.3	150
	Mounting surface 3	19.2	150
	Mounting surface 4	0.8	150
	Mounting surface 5	1.2	150
	Centre of the oven	4.7	425-25=400
	Power cord box	4.1	Clause 30.1
	Container plastic	10.1	Clause 30.1
Clause 19.4, High-Temp Steam function, NTC was disabled			
	Power cord junction point	2.5	150
	Mounting surface 1	0.2	150
	Mounting surface 2	2.5	150
	Mounting surface 3	17.8	150
	Mounting surface 4	0.6	150
	Mounting surface 5	0.6	150

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
Centre of the oven		2.9	425-25=400
Power cord box		2.9	Clause 30.1
Container plastic		9.1	Clause 30.1
Clause 19.2, Bottom Hot Air function, NTC was disabled			
Power cord junction point		28.8	150
Mounting surface 1		51.4	150
Mounting surface 2		21.8	150
Mounting surface 3		22.1	150
Mounting surface 4		4.6	150
Mounting surface 5		7.3	150
Centre of the oven		204.9	425-25=400
Power cord box		38.7	Clause 30.1
Container plastic		40.5	Clause 30.1
Clause 19.3, Bottom Hot Air function, NTC was disabled			
Power cord junction point		30.6	150
Mounting surface 1		50.0	150
Mounting surface 2		6.0	150
Mounting surface 3		22.8	150
Mounting surface 4		4.1	150
Mounting surface 5		11.3	150
Centre of the oven		211.9	425-25=400
Power cord box		40.8	Clause 30.1
Container plastic		40.6	Clause 30.1
Clause 19.7, NTC was disabled			
Power cord junction point		34.2	150
Mounting surface 1		38.9	150
Mounting surface 2		17.1	150
Mounting surface 3		49.8	150
Mounting surface 4		5.5	150
Mounting surface 5		12.2	150
Centre of the oven		196.4	Ref.
Power cord box		47.5	Clause 30.1
Container plastic		59.2	Clause 30.1

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
Fan motor winding (top)		152.3	Class H, 210-25=185
Fan motor winding (back)		132.1	Class H, 210-25=185
Sync. Motor winding (for door)		96.0	Class B, 175-25=150
Valve 1		73.7	Class A, 150-25=125
Valve 2		71.1	Class A, 150-25=125
Clause 22.138, all heating element and motors normal working simultaneously and NTC was disabled			
Power cord junction point		2.5	150
Mounting surface 1		0.2	150
Mounting surface 2		2.5	150
Mounting surface 3		2.7	150
Mounting surface 4		0.6	150
Mounting surface 5		0.6	150
Centre of the oven		2.9	425-25=400
Power cord box		2.9	Clause 30.1
Container plastic		0.3	Clause 30.1
Supplementary information: For Clause 19.2 and 19.3 of Fan grill function and Bottom Hot Air function, both thermal cut-outs operated simultaneously. For Clause 19.2, 19.3 and 19.4 of High-Temp Steam function, both thermal links operated simultaneously. For Clause 19.7, thermal cut-out operated. For Clause 22.138, 16A fuse link operated.			

21.1	TABLE: Impact resistance			P
Impacts per surface	Surface tested	Impact energy (Nm)	Comments	
3	Enclosure	0.5	No broken	
3	Lamp cover	0.5	No broken	
3	Outer surface of Glass door	0.5	No broken	
3	Inner surface of Glass door	0.5	No broken	
3	Control panel	0.5	No broken	
Supplementary information: N/A				

24.1	TABLE: Critical components information					P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	

IEC 60335-2-6					
Clause	Requirement + Test			Result - Remark	Verdict
VDE plug	Guangdong KaiHua Electric Appliance Co., Ltd	KH-9902	AC 250V, 16A	VDE 0620-2-1	VDE 40010410
Alternative	Interchangeable	Interchangeable	250V~, 16A	VDE 0620-2-1	EU approved
-Description:	Interchangeability based on specified electrical rating, configuration/type, type (Dimensions) and cl./cr..				
KC plug	Guangdong Kai Hua Electric Appliance Co., Ltd	KH-9901, KH-9902, KH-9902A	AC 250V, 16A	KC60884-1, KSC8305	SU04043-5001C
Alternative	Mainland Electric Wire & Cable Co., Ltd	ML-302, ML-303K	AC 250V, 16A	KC60884-1	SU04102-7002C
AU plug	Guangdong Kai Hua Electric Appliance Co., Ltd	KH-9909	AC 250V, 15A	AS/NZS 3112	NSW18517
Alternative	Interchangeable	Interchangeable	AC 250V, 15A	AS/NZS 3112	AU approved
-Description:	Interchangeability based on specified electrical rating, configuration/type, type (Dimensions) and cl./cr..				
Power cord	Guangdong KaiHua Electric Appliance Co., Ltd	H05RR-F	3G1.5mm ²	EN 50525-2-21	VDE 40015132
Alternative	Interchangeable	H05RR-F	3G1.5mm ²	EN 50525-2-21	EU approved
-Description:	Interchangeability based on specified rating and configuration/type.				
KC power cord	Guangdong Kaihua Electric Appliance Co., Ltd.	H05RR-F	3G1.5mm ²	K60245-4	SU01028-5002A
AU power cord	Guangdong Kaihua Electric Appliance Co., Ltd.	H05RR-F	3G1.5mm ²	AS/NZS 3191	NSW18304
Alternative	Interchangeable	H05RR-F	3G1.5mm ²	AS/NZS 3191	AU approved
-Description:	Interchangeability based on specified rating and configuration/type.				
Heater for steam	ZHONGSHAN JINFU APPLIANCE CO. LTD	JF	AC 220V, 2700W(900×3)	IEC 60335-1 IEC 60335-2-6	Tested with appliance
Heater (Top)	Guangdong Headway Electric Heating	HW-RGQ	AC 220V, 1900+1000W	IEC 60335-1 IEC 60335-2-6	Tested with appliance

IEC 60335-2-6					
Clause	Requirement + Test			Result - Remark	Verdict
Heater (Back)	Guangdong Headway Electric Heating	HW-RGQ	AC 220V, 2500W	IEC 60335-1 IEC 60335-2-6	Tested with appliance
Heater (Bottom)	Guangdong Headway Electric Heating	HW-RGQ	AC 220V, 800W	IEC 60335-1 IEC 60335-2-6	Tested with appliance
Bottom heater disk	ZHONGSHAN JINFU APPLIANCE CO. LTD	JF	AC 220V, 400W	IEC 60335-1 IEC 60335-2-6	Tested with appliance
Thermal link for evaporation heating element	SCHOTT Japan Corporation	SF229R0	AC 250 V, 15A, Tf229°C	IEC 60691	VDE 40035880
Alternative	A.R. Electric Co., Ltd.	F0x 229C	250V~, 16A, Tf229°C	IEC 60691	VDE 40030329
Thermal cut-out (Top) x 2	Foshan Tianpeng Thermostats Co., Ltd.	T1/33	AC 250V, 16A, 1E4, Tf140°C, T230	IEC 60730-1 IEC 60730-2-9	TUV R 50091107
Alternative	Guangdong Shunde Zhongbao Thermostat Technology Co., Ltd.	KSD301-C	AC 250V, 16A, 1E4, Tf140°C, T270	IEC 60730-1 IEC 60730-2-9	TUV R 50114187
Alternative	Foshan Nuo Kai Electrical Appliances Co., Ltd	KSD302	AC 250V, 16A, 3E4, Tf140°C, T250	IEC 60730-1 IEC 60730-2-9	TUV R 50263855
Thermal link for boiling bottom heating element	SCHOTT Japan Corporation	SF229R0	AC 250 V, 15A, Tf229°C	IEC 60691	VDE 40035880
Alternative	A.R. Electric Co., Ltd.	F0x 229C	250V~, 16A, Tf229°C	IEC 60691	VDE 40030329
Thermal link tube	JIANGYIN YONGJIE ELECTRONIC MATERIAL CO LTD	SRT-70	White	IEC 60335-1 IEC 60335-2-6	UL E509777 Tested with appliance
Micro switch for container, Micro switch for door	Guangdong Yushun Electric Appliance Ltd.	KW-16	AC 250V, 16A, T125, 3E4	IEC 61058-1	TUV R 50179582

IEC 60335-2-6					
Clause	Requirement + Test			Result - Remark	Verdict
Alternative	DONGNAN ELECTRONICS CO., LTD.	KW3A	AC 250V, 16(4)A, T105, 5E4	IEC 61058-1	VDE 40022705
Alternative	DONGNAN ELECTRONICS CO., LTD.	KW3A-10	AC 250V, 10A, T105, 5E4	IEC 61058-1	VDE 40022705
Valve	Zhejiang Kebo Electrical Appliances Co., Ltd.	FPD-180W	12VDC, T60, 1E4, 1.0MPa	IEC 60730-1 IEC 60730-2-8 IEC 60335-1 IEC 60335-2-6	TUV R 50254591 Tested with appliance
Sync. Motor at the top	Foshan Ruiyi Motor Mfy.Co.,Ltd.	50TYZ-0.3B01	AC 220-240V, 50/60Hz, 4W, Class B	IEC 60335-1 IEC 60335-2-6	TUV R 50588610 Tested with appliance
Fan motor (Top)	Foshan Shunde Zhuogao Motor Manufacturing Co. LTD	YJ48-15A	220V~, 50Hz, 1W, Class H	IEC 60335-1 IEC 60335-2-6	Tested with appliance
-Winding of fan motor (Top)	HESHAN JIANGCI WIRE & CABLE CO LTD	*PEW/180, *UEW/180-UL, QZY-x/180-UL	180°C	IEC 60335-1 IEC 60335-2-6	UL E192838 Tested with appliance
-Bobbin of fan motor (Top)	GUANGDONG WAYLAM ENGINEERING PLASTIC CO LTD	PA-RG305(a)	V-0	IEC 60335-1 IEC 60335-2-6	UL E257285 Tested with appliance
Fan motor (Back)	Foshan Shunde Zhuogao Motor Manufacturing Co. LTD	YJ61-20A	AC 220V, 50Hz, 6W, Class H	IEC 60335-1 IEC 60335-2-6	Tested with appliance
-Winding of fan motor (Back)	HESHAN JIANGCI WIRE & CABLE CO LTD	*PEW/180, *UEW/180-UL, QZY-x/180-UL	180°C	IEC 60335-1 IEC 60335-2-6	UL E192838 Tested with appliance
-Bobbin of fan motor (Back)	GUANGDONG WAYLAM ENGINEERING PLASTIC CO LTD	PA-RG305(a)	V-0	IEC 60335-1 IEC 60335-2-6	UL E257285 Tested with appliance
Lamp holder	Dongguan J&V Electronic Science and Technology Co., Ltd.	88.21 / 88.51	AC 250V, 2A, T350, G9	IEC 60838-1	TUV SUD B 090567 0003 Rev.02

IEC 60335-2-6					
Clause	Requirement + Test			Result - Remark	Verdict
Alternative	Haimen Xinrong Electrical Co., Ltd.	XG-A	AC 250V, 2A, T300, G9	IEC 60838-1	TUV SUD B 079007 0010 Rev.01
Alternative	Foshan Shunde Jieyong Electric Industrial Co., Ltd.	YS-006	AC 250V, 2A, T350, G9	IEC 60838-1	TUV R 50434769
Lamp cover	Foshan Keden Hardware	--	Glass, thickness:0.5mm	IEC 60335-1 IEC 60335-2-6	Tested with appliance
PCB holder	SUPER DRAGON ENGINEERING PLASTICS CO., LTD.	--	PP+15%GF	IEC 60335-1 IEC 60335-2-6	Tested with appliance
PCB material	Kingboard Laminates Holdings Limited	KB-6160C FR-4-KB-6165,	1.6mm, V-0	IEC 60695-11-10 IEC 60335-1 IEC 60335-2-6	VDE 40020729 Tested with appliance
Alternative	Kingboard Laminates Holdings Limited	KB-5150, KB-5150A,	1.6mm, V-0	IEC 60695-11-10 IEC 60335-1 IEC 60335-2-6	VDE 40040433 Tested with appliance
Alternative	Shengyi Technology Co., Ltd.	S1130, S1141,	1.6mm, V-0	IEC 60695-11-10 IEC 60335-1 IEC 60335-2-6	VDE 40010780 Tested with appliance
Alternative	Shandong Jinbao Electronics Co., Ltd.	CEM-1-ZD-95(G)F1, CEM-1-ZD-95(G)F3,	1.6mm, V-0	IEC 60695-11-10 IEC 60335-1 IEC 60335-2-6	VDE 40047083 Tested with appliance
Current fuse 1	Suzhou Walter Electronic Co. Ltd.	2000	250V~, T3.15A	IEC 60127-1 IEC 60127-3	VDE 40018790
Alternative	Littelfuse Inc.	382	AC 250V, 3.15 A, T	IEC 60127-1 IEC 60127-3	VDE 40018249
Alternative	XC Electronics (Shen Zhen) Corp. Ltd.	5TR	AC 250V, 3.15 A, T	IEC 60127-1 IEC 60127-3	VDE 40036799
Alternative	XC Electronics (Shen Zhen) Corp. Ltd.	5TE	AC 250V, 3.15 A, T	IEC 60127-1 IEC 60127-3	VDE 40029550
Alternative	Dongguan Better Electronics Technology Co., Ltd.	334	AC 250V, 3.15 A, T	IEC 60127-1 IEC 60127-3	VDE 40025428

IEC 60335-2-6					
Clause	Requirement + Test			Result - Remark	Verdict
Alternative	XC Electronics (Shen Zhen) Corp. Ltd.	4T	AC 250V, 3.15 A, T	IEC 60127-1 IEC 60127-3	VDE 40029295
Alternative	Dongguan Better Electronics Technology Co., Ltd.	932	AC 250V, 3.15 A, T	IEC 60127-1 IEC 60127-3	VDE 40033369
Current fuse 2	Hollyland Company Limited	50T	AC 250V, 16A, T	IEC 60127-1 IEC 60127-2	VDE 40025976
Alternative	Dongguan Better Electronics Technology Co., Ltd.	524	AC 250V, 16A, T	IEC 60127-1 IEC 60127-2	TUV J 50157552
Alternative	XC Electronics (Shen Zhen) Corp. Ltd.	5F	AC 250V, 16A, F	IEC 60127-1 IEC 60127-2	VDE 40046969
Alternative	Dongguan Better Electronics Technology Co., Ltd.	522	250V~, 16A, T	IEC 60127-1 IEC 60127-2	TUV J 50415641
Alternative	Honghu Bluelight Electronic Co., Ltd/	L5CT	250V~, 16A, T	IEC 60127-1 IEC 60127-2	VDE 40034206
Varistor	THINKING ELECTRONIC INDUSTRIAL CO LTD	TVR14561 TVR10561	560V, T105	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE 005944
Alternative	Centra Science Corp.	CNR- 14D561	560V, T105	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE 40008220
Alternative	HONGZHI ENTERPRISES LTD.	HEL 10D561K	560V, T125	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE 40037512
Alternative	Shantou High- New Technology Dev.Zone Songtian Enterprise Co.,Ltd.	STE 10D561K	560V, T125	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE 40023049

IEC 60335-2-6					
Clause	Requirement + Test			Result - Remark	Verdict
Alternative	HUIZHOU SHI SONGLONG LISHANG ELECTRONICS CO.,LTD.	VDR 10D561K	560V, T125	EC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE 40028836
X2 capacitor	WINDAY ELECTRONIC (DONG GUAN) CO., LTD	MPX	275V~, 0.1uF, T100 or T110	IEC 60384-14	VDE 40030283
Alternative	Jimson Electronics (Xiamen) Co., Ltd.	MKP-X2	AC 275V, 0.1µF, T100	IEC 60384-14	VDE 40000463
Alternative	Shenzhen Su Rong Capacitors Co., Ltd.	MPX/MKP	AC 280V or AC 310V, 0.1µF, T100 or T110	IEC 60384-14	VDE 40008924
Alternative	Foshan Shunde Chuang Ge Electronic Industrial Co., Ltd.	MKP-X2	AC 275V, 0.1µF, T105	IEC 60384-14	VDE 40008922
Alternative	Keyhold Electronics (Shenzhen) Co. Ltd.	KCMP	0.1µF, 275V~, T110	IEC 60384-14	VDE 40028075
Alternative	GUANGDONG FENGMING ELECTRONIC TECH. Co., Ltd.	MKP-X2	0.1µF, 275V~, T105	IEC 60384-14	VDE 40025702
Relay (RLY1, RLY2,)	Song Chuan Precision Co., Ltd.	302P-1AH- C	250V~, 17A T85, 3E4	IEC 61810-1 Clause 17 of IEC 60730-1	TUV R 50025929
Relay (RLY3, RLY4, RLY5, RLY6, RLY7, RLY8, RLY9, RLY10)	Sanyou Corporation Limited	SJ-S- 112DMH	250V~, 10A, 1E5, T105	IEC 61810-1 Clause 17 of IEC 60730-1	VDE 40002146
Alternative	Xiamen Hongfa Electroacoustic Co., Ltd.	HF32F-G 012-HS, HF32FV-T	AC 250V, 10A, T105, 5E4, GWT850°C	IEC 61810-1 Clause 17 of IEC 60730-1	VDE 40012204
Alternative	Xiamen Hongfa Electroacoustic Co., Ltd	JQC-3FF 12VDC- 1HS	277V~, 10A, T105, 5E4	IEC 61810-1 Clause 17 of IEC 60730-1	TUV R 50148356

IEC 60335-2-6					
Clause	Requirement + Test			Result - Remark	Verdict
Relay (RLY11, RLY12, RLY13, RLY14)	Xiamen Hongfa Electroacoustics Co., Ltd.	HF46F	250V~, 5A, T85, 1E5	IEC 61810-1 Clause 17 of IEC 60730-1	VDE 40025215
Alternative	Xiamen Hongfa Electroacoustic Co., Ltd.	(HF32FA-T) JZC-32FA-T012-HSL2	AC 250V, 5A, T105, 5E4	IEC 61810-1 Clause 17 of IEC 60730-1	VDE 40012204
Alternative	Sanyou Corporation Limited	SJ-S-112DM	AC 250V, 5A, T105, 1E5	IEC 61810-1 Clause 17 of IEC 60730-1	VDE 40002146
Alternative	Xiamen Hongfa Electroacoustic Co., Ltd.	HF32FA-T (JZC-32FA-T)	AC 250V, 5A, T105, 5E4	IEC 61810-1 Clause 17 of IEC 60730-1	VDE 40012204
Transformer	Huizhou City HANGSING Industrial Co.,Ltd	EF-25	Input: AC 220-240V, 50/60Hz Output: 5V, 12V Class A	IEC 60335-1 IEC 60335-2-6	Tested with appliance
-Winding of transformer	WUZHOU TOREAL COPPER CO LTD	XUEW	155 °C	IEC 60335-1 IEC 60335-2-6	UL E348247 Tested with appliance
-Bobbin of transformer	CHANG CHUN PLASTICS CO LTD	T375J	V-0, 150°C	IEC 60335-1 IEC 60335-2-6	UL E59481 Tested with appliance
-Tape of transformer	SHEN ZHEN XINHUAHUI ELECTRONIC MATERIALS CO LTD	HMD803	130°C	IEC 60335-1 IEC 60335-2-6	UL E328315 Tested with appliance
-Triple insulation wire of transformer	Guangzhou Wanbao Electronic Material Co., Ltd.	DTM	T130 °C	IEC 61558-1 IEC 61558-2-16	VDE 40044801
Alternative	Shenzhen Kaizhong Hedong New Materials Co., Ltd.	TIW-B	T130°C	IEC 61558-1 IEC 61558-2-16	VDE 40038861
Y capacitor	Guangdong South Hongming Electronic Science and Technology Co., Ltd.	F	250V~, 2200pF, Y1, T125	IEC 60384-14	VDE 40036393
Opto-coupler	Sharp Corporation, Sakai Factory	PC817	T110	IEC 60247-5-5	VDE 40008087

IEC 60335-2-6					
Clause	Requirement + Test			Result - Remark	Verdict
Alternative	Lite-On Technology Corporation	LTV-817	T115	IEC 60247-5-5	VDE 40015248
Alternative	Everlight Electronics Co., Ltd.	EL817C, EL817	T110	IEC 60247-5-5	VDE 132249
Power cord box	Electro Terminal GmbH & Co KG	KADO	2/3 OS 1.5mm ² , 400V, T125, IP30	IEC 60335-1 IEC 60335-2-6	Tested with appliance UL E202631
Alternative	Foshan Shunde Chengda Trade Co., Ltd	--	PA66, 400V, T125	IEC 60335-1 IEC 60335-2-6	Tested with appliance
Control panel	SUPER DRAGON ENGINEERING PLASTICS CO., LTD.	--	PP+15%GF	IEC 60335-1 IEC 60335-2-6	Tested with appliance
Handle	Zhongshan City Pinyou electronic technology Co., LTD	--	Al	IEC 60335-1 IEC 60335-2-6	Tested with appliance
Container	Foshan Coden Hardware products Co., LTD	--	ABS, PC	IEC 60335-1 IEC 60335-2-6	Tested with appliance
Heating element lead wire	Interchangeable	3122, 1332	300V, 18-26AWG, 200°C	--	UL approved
Fan motor lead wire	Interchangeable	3122, 1332	300V, 18-26AWG, 200°C	--	UL approved
NTC lead wire	Interchangeable	3122, 1332	300V, 18-26AWG, 200°C	--	UL approved
Control PCB lead wire	Interchangeable	1332	300V, 26AWG, 200°C	--	UL approved
Other lead wire	Interchangeable	3122, 1332	300V, 18-26AWG, 200°C	--	UL approved
Supplementary information:					
1) Provided evidence ensures the agreed level of compliance. See OD-CB2039.					
2) License available upon request.					

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	3.98	II	1.2	

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
Screw for enclosure	3.92	II	1.2
Supplementary information: N/A			

29.1	TABLE: Clearances					P
	Overvoltage category.....				II	—
	Type of insulation:					
Rated impulse voltage (V):	Min. cl (mm)	Basic (mm)	Supplementary (mm)	Reinforced (mm)	Functional (mm)	Verdict / Remark
330	0,2* / 0,5 / 0,8**	N/A	N/A	N/A	N/A	N/A
500	0,2* / 0,5 / 0,8**	N/A	N/A	N/A	N/A	N/A
800	0,2* / 0,5 / 0,8**	N/A	N/A	N/A	N/A	N/A
1 500	0,5 / 0,8** / 1,0***	N/A	N/A	N/A	N/A	N/A
2 500	1,5 / 2,0***	4.1 / 4.2	4.2 / 6.0	N/A	3.3 / 3.5	P
4 000	3,0 / 3,5***	N/A	N/A	9.5 / 4.1 / 3.7	N/A	P
6 000	5,5 / 6,0***	N/A	N/A	N/A	N/A	N/A
8 000	8,0 / 8,5***	N/A	N/A	N/A	N/A	N/A
10 000	11,0 / 11,5***	N/A	N/A	N/A	N/A	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

Basic: Between live part and earthing metal: cl=cr=4.1mm;

Basic: Between different polarities of CY1 on main PCB: cl=cr=4.2mm;

Supplementary: Between different polarities of CY2 on main PCB: cl=cr=4.2mm;

Functional: Between different polarity of L and N on PCB: cl=cr=3.3mm;

Functional: Between different polarity of fuse on PCB: cl=cr=3.5mm;

Supplementary: Between internal wire and accessible plastic part: cl=cr=6.0mm;

Reinforced: Between live parts and accessible plastic part: cl=cr=9.5mm

Reinforced: Between live parts and SELV part on main PCB: cl=4.1mm, cr=8.2mm

Reinforced: Between live part of relay inner and winding of relay inner: cl=3.7mm, cr=5.2mm (pollution degree 2)

29.2	TABLE: Creepage distances, basic, supplementary and reinforced insulation		P
Working voltage (V):	Creepage distance (mm) Pollution degree		

IEC 60335-2-6											
Clause	Requirement + Test							Result - Remark			Verdict
	1	2			3			Type of insulation			
		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	1,25	1,8	2,5	3,2	3,6	4,0	4.1 / 4.2	—	—	P
250	0,56	1,25	1,8	2,5	3,2	3,6	4,0	—	4.2 / 6.0	—	P
250	1,12	2,5	3,6	5,0	6,4	7,2	8,0	—	—	9.5 / 8.2	P
250	1,12	2,5	3,6	5,0	6,4	7,2	8,0	—	—	5.2	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
>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

IEC 60335-2-6											
Clause	Requirement + Test							Result - Remark			Verdict
>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
>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											
Remark: See table 29.1											

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Clause	Requirement + Test	Result - Remark	Verdict

29.2	TABLE: Creepage distances, functional insulation							P
Working voltage (V):	Creepage distance (mm) Pollution degree							Verdict / Remark
	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
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
>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
 Remark: See table 29.1

30.1	TABLE: Ball Pressure Test of Thermoplastics			P
Allowed impression diameter (mm)			2.0	—
Object/ Part No./ Material	Manufacturer/ trademark	Test temperature (°C)	Impression diameter (mm)	

IEC 60335-2-6			
Clause	Requirement + Test	Result - Remark	Verdict
Power cord box	See table 24.1	93	1.4
Container plastic	See table 24.1	98	1.4
PCB	See table 24.1	125	0.8
Bobbin of transformer	See table 24.1	125	0.6
Bobbin of fan motor (top)	See table 24.1	151	1.5
Bobbin of fan motor (back)	See table 24.1	168	1.6
Sync. Motor bobbin	See table 24.1	125	1.3
Supplementary information: All alternative components listed on table 24.1 were considered and the most unfavourable test result was recorded.			

30.2	TABLE: Resistance to heat and fire - Glow wire tests							P
Object/ Part No./ Material	Manufacturer / trademark	Glow wire test (GWT); (°C)						Verdict
		550	650		750		850	
			te	ti	te	ti		
Power cord box	See table 24.1	P	--	--	--	--	--	P
Container plastic	See table 24.1	P	--	--	--	--	--	P
PCB	See table 24.1	--	--	--	No ignition	No ignition	P	P
Bobbin of transformer	See table 24.1	--	--	--	No ignition	No ignition	P	P
Relay	See table 24.1	--	--	--	No ignition	No ignition	P	P
X2 capacitor	See table 24.1	--	--	--	No ignition	No ignition	P	P
Bobbin of fan motor (top)	See table 24.1	--	--	--	No ignition	No ignition	P	P
Bobbin of fan motor (back)	See table 24.1	--	--	--	No ignition	No ignition	P	P
Sync. Motor bobbin	See table 24.1	--	No ignition	No ignition	--	--	--	P
Thermal link tube	See table 24.1	--	--	--	No ignition	No ignition	P	P
Object/ Part No./	Manufacturer /	Glow-wire flammability index (GWFI), °C				GW ignition temp. (GWIT), °C		Verdict

IEC 60335-2-6								
Clause	Requirement + Test						Result - Remark	Verdict
Material	trademark	550	650	750	850	675	775	
--	--	--	--	--	--	--	--	--
The test specimen passed the glow wire test (GWT) with no ignition $[(t_e - t_i) \leq 2s]$ (Yes/No):								Yes
If no, then surrounding parts passed the needle-flame test of annex E (Yes/No)..... :								N/A
The test specimen passed the test by virtue of most of the flaming material being withdrawn with the glow-wire (Yes/No)?								Yes
Ignition of the specified layer placed underneath the test specimen (Yes/No)								No
Supplementary information: - 550 °C GWT not relevant (or applicable) to parts of material classified at least HB40 or if relevant HBF - The GWIT pre-selection option, the 850 °C GWFI pre-selection option, and the 850 °C GWT are not relevant (or applicable) for attended appliances Remark: All alternative components listed on table 24.1 were considered and the most unfavourable test result was recorded.								

30.2/30.4	TABLE: Needle- flame test (NFT)					P
Object/ Part No./ Material	Manufacturer/ trademark	Duration of application of test flame (ta); (s)	Ignition of specified layer Yes/No	Duration of burning (tb) (s)	Verdict	
PCB material	See table 24.1	30	No	1.3	P	
Supplementary information: - NFT not relevant (or applicable) for Parts of material classified as V-0 or V-1 - NFT not relevant (or applicable) for Base material of PCBs classified as V-0 or if relevant VTM-0 Remark: All alternative components listed on table 24.1 were considered and the most unfavourable test result was recorded.						

--End of report --