

TEST REPORT
IEC 60335-2-14
Safety of household and similar electrical appliances
Part 2-14 : Particular requirements for kitchen machines

Report Number.....	200612201GZU-002
Date of issue.....	09 July, 2020, Amendment 4: 22 July, 2024
Total number of pages	Test report 104 pages
Name of Testing Laboratory preparing the Report	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch
Applicant's name	Guangdong Shinechef Electric Appliance Co., Ltd
Address.....	No. 180, Bai'an South Road, Junan Town, Shunde District, Foshan City, Guangdong, China
Test specification:	
Standard	IEC 60335-2-14:2006, AMD1:2008, AMD2:2012 for use in conjunction with IEC 60335-1:2010, COR1:2010, AMD1:2013, COR1:2014, AMD2:2016, COR1:2016
Test procedure	--
Non-standard test method	N/A
Test Report Form No.	IEC60335_2_14U
Test Report Form(s) Originator	CQC
Master TRF	Dated 2019-12-17
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Test item description	Multifunction Stand Mixer
Trade Mark(s).....	
Original Product/Equipment Manufacturer.....	Same as applicant
Branding Manufacturer(s)	--
Model/Type reference	SC-623, SC-623E, SC-623A, SC-623EA, SC-623B, SC-623EB, SC-623C, SC-623EC, SC-667, SC-667E, SC-667A, SC-667B, SC-667C, SC-667EA, SC-667EB, SC-667EC, SC-617, SC-617E, SC-617A, SC-617B, SC-617C, SC-617EA, SC-617EB, SC-617EC, SC-633, SC-633E, SC-633A, SC-633B, SC-633C, SC-633EA, SC-633EB, SC-633EC, SC-603, SC-603E, SC-603A, SC-603B, SC-603C, SC-603EA, SC-603EB, SC-603EC
Ratings	220 V – 240 V, 50 Hz, Class II SC-623, SC-623E, SC-667, SC-667E, SC-617, SC-617E, SC-633, SC-633E, SC-603, SC-603E : Mixer: 2000W SC-623A, SC-623EA, SC-667A, SC-667EA, SC-617A, SC-617EA, SC-633A, SC-633EA, SC-603A, SC-603EA : Mixer: 2000W, Mincer: 400W SC-623B, SC-623EB, SC-667B, SC-667EB, SC-617B, SC-617EB, SC-633B, SC-633EB, SC-603B, SC-603EB : Mixer: 2000W, Blender: 2000W; Chopper, shredder, citrus-fruit squeezers: 200W SC-623C, SC-623EC, SC-667C, SC-667EC, SC-617C, SC-617EC, SC-633C, SC-633EC, SC-603C, SC-603EC : Mixer and Blender: 2000W, Mincer: 400W; Chopper, shredder, citrus-fruit squeezers: 200W

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	Testing Laboratory:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch
Testing location/ address.....:		Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China
Tested by (name, function, signature).....:		Larry Liu / Jim YJ Wu Engineer 
Approved by (name, function, signature)....:		Genson Feng Senior Project Engineer 
<input type="checkbox"/>	Testing procedure: CTF Stage 1:	N/A
Testing location/ address.....:		
Tested by (name, function, signature)		
Approved by (name, function, signature)....:		
<input type="checkbox"/>	Testing procedure: CTF Stage 2:	N/A
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:	N/A
<input type="checkbox"/>	Testing procedure: CTF Stage 4:	N/A
Testing location/ address.....:		
Tested by (name, function, signature)		
Witnessed by (name, function, signature) .:		
Approved by (name, function, signature)....:		
Supervised by (name, function, signature) :		

List of Attachments (including a total number of pages in each attachment):

1. European group differences and national differences: 18 pages.
2. Photo documents: 5 pages.

Summary of testing:

1. Submitted samples were tested and found to compliance with requirements of the standard EN 60335-2-14: 2006 + A1:2008 + A11:2012 + A12: 2016 in conjunction with EN 60335-1: 2012 + A11:2014 + A13: 2017+ A1:2019 + A2:2019 + A14:2019 + **A15: 2021 + A16:2023**.
2. The product has been tested and complied with the standard EN 62233: 2008 for EMF.
3. CENELEC Guide 32 was conducted for the risk analysis of mechanical hazards. Adequate warnings are given on user manual and on the product.

Tests performed (name of test and test clause):	Testing location:
Original: Full tests were conducted on model SC-623EC. Clauses 7, 8, 10, 11, 13, 15, 16, 20, 21, 22, 24, 25, 29, 30 and construction check were conducted on model SC-623C. Clauses 7, 29 and construction check were conducted on other models.	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China
Amendment 1: Clauses 7, 10, 11, 13, 20, 21, 22, 24, 25 and construction check were conducted on model SC-623EC.	
Amendment 2: Clauses 7, 8, 10, 11, 13, 20, 21, 22, 23.5, 24, 25, 29, 30 and construction check conducted on model SC-667EC. Clause 7 and construction check were conducted on other new models.	
Amendment 3: Clauses 7, 8, 10, 11, 13, 15, 16, 20, 21, 22, 24, 25, 29, 30 and construction check were conducted on model SC-617EC. Clause 7 and construction check were conducted on other new models.	
Amendment 4: Clauses 7, 8, 10, 11, 13, 15, 16, 19.11, 19.13, 20, 21, 22, 24, 25, 29, 30 and construction check were conducted on model SC-633EC. Clauses 7, 29 and construction check were conducted on other new models.	

Summary of compliance with National Differences (List of countries addressed):

The EUROPEAN GROUP DIFFERENCES were considered.

Statement concerning the uncertainty of the measurement systems used for the tests

Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:

Procedure number, issue date and title:

Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.

Statement not required by the standard used for type testing

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.

**Remark:**

1. Marking plates for other models are same as above, except for model name and rated power.
2. The registered trade name or mark of the manufacturer/importer of the European Union, and its postal address and identified batch or serial number will be indicated on the product.
3. The name and the contact address of EU/EFTA representative or importer will be indicated on the product.

Test item particulars.....:	
Classification of installation and use.....: Portable appliance and household use only	
Supply Connection : Non-detachable power cord with plug	
Possible test case verdicts:	
<ul style="list-style-type: none"> - 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 : 06 May, 2024	
Date (s) of performance of tests : 06 May, 2024 to 22 July, 2024	
General remarks:	
<p>"(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 checked="" type="checkbox"/> comma / <input type="checkbox"/> point is used as the decimal separator. Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.</p> <p>This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.</p> <p>The test report only allows to be revised only within the report defined retention period unless standard or regulation was withdrawn or invalid.</p>	
Manufacturer's Declaration per sub-clause 4.2.5 of IEC60335-2-20:	
<p>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</p>	<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:	
<p>Stand mixer for household and indoor use only. Appliances also have other functions, see below table for detail.</p> <p>According to instruction, the appliance can not operate with more than one function at the same time, they are operated separately.</p> <p>All models are identical except for differences in control panel, functions, accessories, appearance, appearance dimensions, bowl dimensions and PCB, see table below for details.</p>	

Model name	Mixer function	Blender function	Mincer function	LCD	Chopper function	Shredder function	Citrus-fruit squeezers function	Bowl dimensions
SC-623	Y	--	--	--	--	--	--	10L
SC-623E	Y	--	--	Y	--	--	--	10L
SC-623A	Y	--	Y	--	--	--	--	10L
SC-623EA	Y	--	Y	Y	--	--	--	10L
SC-623B	Y	Y	--	--	Y	Y	Y	10L
SC-623EB	Y	Y	--	Y	Y	Y	Y	10L
SC-623C	Y	Y	Y	--	Y	Y	Y	10L
SC-623EC	Y	Y	Y	Y	Y	Y	Y	10L
The above models are identical except for control panel, functions and accessories.								
SC-667	Y	--	--	--	--	--	--	12L
SC-667E	Y	--	--	Y	--	--	--	12L
SC-667A	Y	--	Y	--	--	--	--	12L
SC-667EA	Y	--	Y	Y	--	--	--	12L
SC-667B	Y	Y	--	--	Y	Y	Y	12L
SC-667EB	Y	Y	--	Y	Y	Y	Y	12L
SC-667C	Y	Y	Y	--	Y	Y	Y	12L
SC-667EC	Y	Y	Y	Y	Y	Y	Y	12L
The above models are identical except for control panel, functions and accessories.								
SC-617	Y	--	--	--	--	--	--	12L
SC-617E	Y	--	--	Y	--	--	--	12L
SC-617A	Y	--	Y	--	--	--	--	12L
SC-617EA	Y	--	Y	Y	--	--	--	12L
SC-617B	Y	Y	--	--	Y	Y	Y	12L
SC-617EB	Y	Y	--	Y	Y	Y	Y	12L
SC-617C	Y	Y	Y	--	Y	Y	Y	12L
SC-617EC	Y	Y	Y	Y	Y	Y	Y	12L
The above models are identical except for control panel, functions and accessories.								
SC-633	Y	--	--	--	--	--	--	10L
SC-633E	Y	--	--	Y	--	--	--	10L
SC-633A	Y	--	Y	--	--	--	--	10L
SC-633EA	Y	--	Y	Y	--	--	--	10L
SC-633B	Y	Y	--	--	Y	Y	Y	10L
SC-633EB	Y	Y	--	Y	Y	Y	Y	10L
SC-633C	Y	Y	Y	--	Y	Y	Y	10L
SC-633EC	Y	Y	Y	Y	Y	Y	Y	10L
The above models are identical except for control panel, functions and accessories.								
SC-603	Y	--	--	--	--	--	--	10L
SC-603E	Y	--	--	Y	--	--	--	10L
SC-603A	Y	--	Y	--	--	--	--	10L
SC-603EA	Y	--	Y	Y	--	--	--	10L
SC-603B	Y	Y	--	--	Y	Y	Y	10L
SC-603EB	Y	Y	--	Y	Y	Y	Y	10L
SC-603C	Y	Y	Y	--	Y	Y	Y	10L
SC-603EC	Y	Y	Y	Y	Y	Y	Y	10L
The above models are identical except for control panel, functions and accessories.								

Amendment 1:

This test report is appended to the test report 200612201GZU-002: 09 July, 2020 because of the following changes:

1. Added functions for model SC-623B, SC-623EB, SC-623C, SC-623EC, Detal see below table and photo document:

Chopper function	Shredder function	Citrus-fruit squeezers function
		

2. Added alternative approved power cord, plug, thermal motor protectors, refer to table 24.1 for detail;

For relevant tests, see "Test performed"

This report is valid only in conjunction with report 200612201GZU-002: 09 July, 2020.

Amendment 2:

This test report is appended to the test report 200612201GZU-002: 09 July, 2020 and 200612201GZU-002 Amendment 1: 07 Sep., 2020 because of the following changes:

1. Added new models SC-667E, which is same as original model SC-623E, except for appearance dimensions and bowl dimensions.
Added new models SC-667A, which is same as original model SC-623A, except for appearance dimensions and bowl dimensions.
Added new models SC-667EA, which is same as original model SC-623EA, except for appearance dimensions and bowl dimensions.
Added new models SC-667B, which is same as original model SC-623B, except for appearance dimensions and bowl dimensions.
Added new models SC-667EB, which is same as original model SC-623EB, except for appearance dimensions and bowl dimensions.
Added new models SC-667C, which is same as original model SC-623C, except for appearance dimensions and bowl dimensions.
Added new models SC-667EC, which is same as original model SC-623EC, except for appearance dimensions and bowl dimensions.

2. Added alternative approved power cord, plug and internal wire, refer to table 24.1 for detail;

For relevant tests, see "Test performed"

This report is valid only in conjunction with report 200612201GZU-002: 09 July, 2020 and 200612201GZU-002 Amendment 1: 07 Sep., 2020.

Amendment 3:

This test report is appended to the test report 200612201GZU-002: 09 July, 2020, 200612201GZU-002 Amendment 1 and 200612201GZU-002 Amendment 2: 15 Jan., 2021 because of the following changes:

1. Added new models SC-617, which is same as original model SC-667, except for appearance.
Added new models SC-617E, which is same as original model SC-667E, except for appearance.
Added new models SC-617A, which is same as original model SC-667A, except for appearance.
Added new models SC-617EA, which is same as original model SC-667EA, except for appearance.
Added new models SC-617B, which is same as original model SC-667B, except for appearance.
Added new models SC-617EB, which is same as original model SC-667EB, except for appearance.

Added new models SC-617C, which is same as original model SC-667C, except for appearance.
 Added new models SC-617EC, which is same as original model SC-667EC, except for appearance.

For relevant tests, see "Test performed"

This report is valid only in conjunction with report 200612201GZU-002: 09 July, 2020, 200612201GZU-002 Amendment 1 and 200612201GZU-002 Amendment 2: 15 Jan., 2021.

Amendment 4:

This test report is appended to the test report 200612201GZU-002, 200612201GZU-002 Amendment 1, 200612201GZU-002 Amendment 2 and 200612201GZU-002 Amendment 3: 15 Sep., 2021, because of the following changes:

- Revised the name and address of applicant, manufacturer and factory:

Form	To
Foshan Shunde Shinechef Electric Appliance Co., Ltd. No.3 Jinan Road, Changxing Industrial Zone, Junan Town, Foshan City, Guangdong, P.R. China	Guangdong Shinechef Electric Appliance Co., Ltd. No. 180, Bai'an South Road, Junan Town, Shunde District, Foshan City, Guangdong, China

- Updated the marking plate.
- Model description has been updated, see the table of general product information for details.
- Upgraded the standard to "EN 60335-1: 2012 + A11: 2014 + A13: 2017 + A1: 2019 + A2: 2019 + A14: 2019 + A15: 2021 + A16:2023".
- Added new models SC-633, which is same as original model SC-667, except for appearance and bowl dimensions.

Added new models SC-633E, which is same as original model SC-667E, except for appearance, PCB and bowl dimensions.

Added new models SC-633A, which is same as original model SC-667A, except for appearance and bowl dimensions.

Added new models SC-633EA, which is same as original model SC-667EA, except for appearance, PCB and bowl dimensions.

Added new models SC-633B, which is same as original model SC-667B, except for appearance and bowl dimensions.

Added new models SC-633EB, which is same as original model SC-667EB, except for appearance, PCB and bowl dimensions.

Added new models SC-633C, which is same as original model SC-667C, except for appearance and bowl dimensions.

Added new models SC-633EC, which is same as original model SC-667EC, except for appearance, PCB and bowl dimensions.

Added new models SC-603, which is same as original model SC-667, except for appearance and bowl dimensions.

Added new models SC-603E, which is same as original model SC-667E, except for appearance, PCB and bowl dimensions.

Added new models SC-603A, which is same as original model SC-667A, except for appearance and bowl dimensions.

Added new models SC-603EA, which is same as original model SC-667EA, except for appearance, PCB and bowl dimensions.

Added new models SC-603B, which is same as original model SC-667B, except for appearance and bowl dimensions.

Added new models SC-603EB, which is same as original model SC-667EB, except for appearance, PCB and bowl dimensions.

Added new models SC-603C, which is same as original model SC-667C, except for appearance and bowl dimensions.

Added new models SC-603EC, which is same as original model SC-667EC, except for appearance,

PCB and bowl dimensions.

Model SC-633EC is identical with model SC-603EC except appearance, see table above and photo document for details.

6. Added alternative approved components of Plug, Power cord, Interlock switch, Power switch, Speed switch, Thermal motor protectors, Relay and Internal wire. Refer to table 24.1 **in bold** for details.
7. Corrected some information of components. Refer to table 24.1 **in bold** for details.

For relevant tests, see "Test performed".

This report is valid only in conjunction with report 200612201GZU-002, 200612201GZU-002 Amendment 1, 200612201GZU-002 Amendment 2 and 200612201GZU-002 Amendment 3: 15 Sep., 2021.

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict
7	MARKING AND INSTRUCTIONS		--
7.1	Rated voltage or voltage range (V) : 220-240V	P	
	Symbol for nature of supply, or :		N/A
	Rated frequency (Hz) : 50Hz	P	
	Rated power input is marked. (IEC 60335-2-14)	See page 2	P
	Rated current (A) :		N/A
	Manufacturer's or responsible vendor's name, trademark or identification mark..... :		P
	Model or type reference :	See page 2	P
	Symbol IEC 60417-5172, for class II appliances		P
	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
	Stands provided with cordless blenders are marked with: (IEC 60335-2-14)		N/A
	- the name, trademark or identification mark of the manufacturer or responsible vendor		N/A
	- the model or type reference		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		N/A
7.4	Appliances adjustable for different rated voltages or rated frequencies, the voltage or the frequency setting is clearly discernible		N/A

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict
	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
7.6	Correct symbols used		P
	Symbol for nature of supply placed next to rated voltage		N/A
	Symbol for class II appliances placed unlikely to be confused with other marking		P
	Units of physical quantities and their symbols according to international standardized system		P
7.7	Connection diagram fixed to appliances to be connected to more than two supply conductors and appliances for multiple supply, unless		N/A
	correct mode of connection is obvious		N/A
7.8	Except for type Z attachment, terminals for connection to the supply mains indicated as follows:		--
	- marking of terminals exclusively for the neutral conductor (letter N)		N/A
	- marking of protective earthing terminals (symbol IEC 60417-5019)		N/A
	- marking of functional earthing terminals (symbol IEC 60417-5018)		N/A
	- marking not placed on removable parts		P
7.9	Marking or placing of switches which may cause a hazard		P
7.10	Indications of switches on stationary appliances and controls on all appliances by use of figures, letters or other visual means:	letters and figures	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		P

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict
	The figure 0 indicates only OFF position, unless no confusion with the OFF position		P
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:		--
	- 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 include the operating times and speed settings for accessories (IEC 60335-2-14)		P
	Accessories, other than those supplied with the appliance, include instructions for their safe use. (IEC 60335-2-14)		P
	Adequate instruction for use for slicing machines provided with a base having a plain surface underneath the sliding feed table (IEC 60335-2-14)		N/A
	The instructions for food processors and blenders warn against misuse (IEC 60335-2-14)		P
	Be careful when handing the sharp cutting blades, emptying the bowl and during cleaning (IEC 60335-2-14)		P

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict
	Be careful if hot liquid is poured into the food processor or blender as it can be ejected out of the appliance due to a sudden steaming (IEC 60335-2-14)		P
	Instructions for hand-held blenders: (IEC 60335-2-14)		—
	- always disconnect the blender from the supply if it is left unattended and before assembling, disassembling or cleaning		N/A
	- do not allow children to use the blender without supervision.		N/A
	The instructions for centrifugal juicers include the substance of the following: (IEC 60335-2-14)		—
	- Do not use the appliance if the rotating sieve or the protecting cover is damaged or has visible cracks. (IEC 60335-2-14)		P
	The instructions for cordless blenders state that the blender is only to be used with the stand provided. (IEC 60335-2-14)		N/A
	The blender and stand of the cordless blender can be lifted together by gripping the handle of the blender, the instructions include the substance of the following: (IEC 60335-2-14)		—
	CAUTION: Ensure that the blender is switched off before removing it from the stand.		N/A
	The instructions include details on how to clean surfaces in contact with food (IEC 60335-2-14)		P
	The instructions for appliances incorporating a switch necessary for compliance with 22.40 include the substance of the following: (IEC 60335-2-14)		P
	Switch off the appliance and disconnect from supply before changing accessories or approaching parts that move in use		P
	The instructions include the substance of the following: This appliance is intended to be used in household and similar applications (IEC 60335-2-14)		N/A
	If the manufacturer wants to limit the use of the appliances to less than the above, this has to be clearly stated in the instructions (IEC 60335-2-14)	Household use only	P
	For appliances for altitudes exceeding 2000 m, the maximum altitude is stated.....:		N/A

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict
	The instructions for appliances incorporating a functional earth states that the appliance incorporates an earth connection for functional purposes only		N/A
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
7.12.2	Stationary appliances not fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under overvoltage category III, the instructions state that means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules		N/A
7.12.3	Insulation of the fixed wiring in contact with parts exceeding 50 K during clause 11; instructions state that the fixed wiring must be protected		N/A
7.12.4	Instructions for built-in appliances:	--	
	- dimensions of space		N/A
	- dimensions and position of supporting and fixing		N/A
	- minimum distances between parts and surrounding structure		N/A
	- minimum dimensions of ventilating openings and arrangement		N/A
	- connection to supply mains and interconnection of separate components		N/A
	- allow disconnection of the appliance after installation, by accessible plug or a switch in the fixed wiring, unless		N/A
	a switch complying with 24.3		N/A
7.12.5	Replacement cord instructions, type X attachment with a specially prepared cord		N/A
	Replacement cord instructions, type Y attachment		P
	Replacement cord instructions, type Z attachment		N/A
7.12.6	Caution in the instructions for appliances incorporating a non-self-resetting thermal cut-out that is reset by disconnection of the supply mains, if this cut-out is required to comply with the standard		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
7.12.7	Instructions for fixed appliances stating how the appliance is to be fixed		N/A
7.12.8	Instructions for appliances connected to the water mains:	--	
	- max. inlet water pressure (Pa):		N/A
	- min. inlet water pressure, if necessary (Pa:		N/A
	Instructions concerning new and old hose-sets for appliances connected to the water mains by detachable hose-sets		N/A
7.12.9	Instructions specified in 7.12 and from 7.12.1 to 7.12.8 appear together before any other instructions supplied with the appliance		P
	These instructions may be supplied with the appliance separately from any functional use booklet		P
	They may follow the description of the appliance that identifies parts, or follow the drawings/sketches		P
	In addition, instructions are also available in an alternative format such as on a website or on request from the user in a format such as a DVD	website	P
7.13	Instructions and other texts in an official language	English	P
7.14	Marking clearly legible and durable, rubbing test as specified		P
	Signal words WARNING, CAUTION, DANGER in uppercase having a height as specified		N/A
	Uppercase letter of the text explaining the signal word not smaller than 1,6 mm		N/A
	Moulded in, engraved, or stamped markings either raised above or have a depth below the surface of at least 0,25 mm, unless		N/A
	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
	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
	For portable appliances, cover can be removed or opened without a tool		N/A
	For stationary appliances, name, trademark or identification mark and model or type reference visible after installation		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	For fixed appliances, name, trademark or identification mark and model or type reference visible after installation according to the instructions		N/A
	Indications for switches and controls placed on or near the components. Marking not on parts which can be positioned or repositioned in such a way that the marking is misleading		P
	The symbol IEC 60417-5018 placed next to the symbol IEC 60417-5172 or IEC 60417-5180		N/A
7.16	Marking of a possible replaceable thermal link or fuse link clearly visible with regard to replacing the link		N/A
8	PROTECTION AGAINST ACCESS TO LIVE PARTS		--
8.1	Adequate protection against accidental contact with live parts		P
8.1.1	Requirement applies for all positions, detachable parts removed		P
	Lamps behind a detachable cover not removed, if conditions met		N/A
	Insertion or removal of lamps, protection against contact with live parts of the lamp cap		N/A
	Use of test probe B of IEC 61032, with a force not exceeding 1 N: 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
	Test probe 13 also applied through openings in earthed metal enclosures having a non-conductive coating: no contact with live parts		N/A
8.1.3	For appliances other than class II, use of test probe 41 of IEC 61032, with a force not exceeding 1 N: no contact with live parts of visible glowing heating elements or supporting parts		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:		N/A
	- safety extra-low a.c. voltage: peak value not exceeding 42.4 V		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- safety extra-low d.c. voltage: not exceeding 42.4 V		N/A
	- or separated from live parts by protective impedance		N/A
	If protective impedance: d.c. current not exceeding 2 mA, and		N/A
	a.c. peak value not exceeding 0.7 mA		N/A
	- for peak values over 42.4 V up to and including 450 V, capacitance not exceeding 0,1 µF		N/A
	- for peak values over 450 V up to and including 15 kV, discharge not exceeding 45 µC		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:		N/A
	- built-in appliances		N/A
	- fixed appliances		N/A
	- appliances delivered in separate units		N/A
8.2	Class II appliances and constructions constructed so that there is adequate protection against accidental contact with basic insulation and metal parts separated from live parts by basic insulation only		P
	Only possible to touch parts separated from live parts by double or reinforced insulation		P
10	POWER INPUT AND CURRENT		--
10.1	Power input at normal operating temperature, rated voltage and normal operation not deviating from rated power input by more than shown in table 1 .:	(see appended table)	P
	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

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Clause	Requirement + Test	Result - Remark	Verdict
	A representative period is a time period of 2 min or the time specified in 11.7 for one cycle of operation, whichever is shorter. (IEC 60335-2-14)		P
10.2	Current at normal operating temperature, rated voltage and normal operation not deviating from rated current by more than shown in table 2.....:		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
11	HEATING		--
11.1	No excessive temperatures in normal use		P
11.2	The appliance is held, placed or fixed in position as described		P
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		N/A
11.4	Heating appliances operated under normal operation at 1.15 times rated power input (W)		N/A
11.5	Motor-operated appliances operated under normal operation at most unfavourable voltage between 0.94 and 1.06 times rated voltage (V)	1,06 x 240 V = 254,4 V	P
11.6	Combined appliances operated under normal operation at most unfavourable voltage between 0.94 and 1.06 times rated voltage (V)		N/A
11.7	The appliance is operated for the period specified and where relevant the number of cycles specified (IEC 60335-2-14)	(see appended tables)	P

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Clause	Requirement + Test	Result - Remark	Verdict
	If the period exceeds that stated in the instructions and if the temperature rise limits of Table 3 are exceeded, an alternative test is carried out as follows: (IEC 60335-2-14)		—
	the test is carried out for the number of cycles specified and using the maximum quantity of the load to be processed stated in the instructions: (IEC 60335-2-14)		P
	— the maximum period stated in the instructions plus 1 min or 7 min whichever is less, for specified operating periods not exceeding 7 min (IEC 60335-2-14)		P
	— the maximum period stated in the instructions or 7 min whichever is greater, for specified operating periods exceeding 7 min (IEC 60335-2-14/A2:2012)		P
	This procedure only applies if the power input measured in 10.1 using the maximum quantity of the load to be processed stated in the instructions is not less than that obtained when using the appropriate load specified in 3.1.9.101 to 3.1.9.119 (IEC 60335-2-14)		P
	If it is necessary to perform a number of operations to obtain these periods, the rest periods are equal to, where relevant, the time taken to empty and refill the container with the maximum quantity of ingredients stated in the instructions (IEC 60335-2-14)		N/A
	Appliances incorporating a timer are operated for the maximum period allowed by the timer (IEC 60335-2-14)		P
11.8	Temperature rises monitored continuously and not exceeding the values in table 3	(see appended table)	P
	For ice-cream machines for use in refrigerators and freezers, the temperature rise values are increased by 30 K. (IEC 60335-2-14)		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

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Clause	Requirement + Test	Result - Remark	Verdict
13	LEAKAGE CURRENT AND ELECTRIC STRENGTH AT OPERATING TEMPERATURE		--
13.1	Leakage current not excessive and electric strength adequate		P
	Motor-operated appliances and combined appliances supplied at 1.06 times the rated voltage (V).....:	1,06 x 240 V = 254,4 V	P
	Protective impedance and radio interference filters disconnected before carrying out the tests		P
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		N/A
	Leakage current measurements:	(see appended table)	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
15	MOISTURE RESISTANCE		--
15.1	Enclosure provides the degree of moisture protection according to classification of the appliance	IPX0	N/A
	Compliance checked as specified in 15.1.1, taking into account 15.1.2, followed by the electric strength test of 16.3		N/A
	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

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Clause	Requirement + Test	Result - Remark	Verdict
	Appliances normally fixed to a wall and appliances with pins for insertion into socket-outlets are mounted on a wooden board		N/A
	For IPX3 appliances, the base of wall mounted appliances is placed at the same level as the pivot axis of the oscillating tube		N/A
	For IPX4 appliances, the horizontal centre line of the appliance is aligned with the pivot axis of the oscillating tube, and		N/A
	for appliances normally used on the floor or table, the movement is limited to two times 90° for a period of 5 min, the support being placed at the level of the pivot axis of the oscillating tube		N/A
	Wall-mounted appliances, take into account the distance to the floor stated in the instructions		N/A
	Appliances normally fixed to a ceiling are mounted underneath a horizontal unperforated support, the pivot axis of the oscillating tube located at the level of the underside of the support, and		N/A
	for IPX4 appliances, the movement of the tube is limited to two times 90° from the vertical for a period of 5 min		N/A
	Appliances with type X attachment fitted with a flexible cord as described		N/A
	Detachable parts subjected to the relevant treatment with the main part		N/A
	However, if a part has to be removed for user maintenance and a tool is needed, this part is not removed		N/A
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
	Appliances supplied at rated voltage and operated for 15 s with the solution still in the container: the leakage current shall not exceed the values specified in clause 13. (IEC 60335-2-14)		P

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict
	Saline solution is then added to the liquid container until it is completely full again. A further quantity equal to 15% of the capacity of the container or 0.25 l is poured in steadily over a period of 1 min: (IEC 60335-2-14)	0,25 l for blender bowl; 1,47 l for mixer bowl.	P
	Water outlets for potato peelers are blocked. (IEC 60335-2-14)		N/A
	For cordless blenders, the test is carried out on a horizontal surface with the blender both on and off its stand. (IEC 60335-2-14)		N/A
	Overfilling test with additional amount of the solution, over a period of 1 min (l)		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	25 °C, 93% R.H.	P
	Checked by test Cab: Damp heat steady state in IEC 60068-2-78		P
	Detachable parts removed and subjected, if necessary, to the humidity test with the main part		P
	Humidity test for 48 h in a humidity cabinet		P
	Reassembly of those parts that may have been removed		P
	The appliance withstands the tests of clause 16		P
15.101	Connecting devices of stands for cordless blenders are not affected by water. (IEC 60335-2-14)		N/A
	Compliance is checked by the following test.		N/A
	The stand withstands the dielectric strength test of 16.3.		N/A
16	LEAKAGE CURRENT AND ELECTRIC STRENGTH		--
16.1	Leakage current not excessive and electric strength adequate		P
	Protective impedance disconnected from live parts before carrying out the tests		N/A
	Tests carried out at room temperature and not connected to the supply		P
16.2	Single-phase appliances: test voltage 1.06 times rated voltage (V)	1,06 x 240 V = 254,4 V	P
	Three-phase appliances: test voltage 1.06 times rated voltage divided by $\sqrt{3}$ (V)		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Leakage current measurements: (see appended table)		P
	Limit values doubled if:		--
	- all controls have an off position in all poles, or		N/A
	- the appliance has no control other than a thermal cut-out, or		N/A
	- all thermostats, temperature limiters and energy regulators do not have an off position, or		N/A
	- the appliance has radio interference filters		P
	With the radio interference filters disconnected, the leakage current do not exceed limits specified:	(see appended table)	P
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
19	ABNORMAL OPERATION		--
19.11	Electronic circuits, compliance checked by evaluation of the fault conditions specified in 19.11.2 for all circuits or parts of circuits, unless they comply with the conditions specified in 19.11.1		P
	Appliances incorporating an electronic circuit that relies upon a programmable component to function correctly, subjected to the test of 19.11.4.8, unless restarting does not result in a hazard		P
	Appliances having a device with an off position obtained by electronic disconnection, or a device placing the appliance in a stand-by mode, subjected to the tests of 19.11.4		P
	If the safety of the appliance under any of the fault conditions depends on the operation of a miniature fuse-link complying with IEC 60127, the test of 19.12 is carried out		P
	During and after each test the following is checked:		--
	- the temperature of the windings do not exceed the values specified in table 8		P
	- the appliance complies with the conditions specified in 19.13		P
	- any current flowing through protective impedance not exceeding the limits specified in 8.1.4		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	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:		--
	- the base material of the printed circuit board withstands the test of Annex E		N/A
	- any loosened conductor does not reduce clearance or creepage distances between live parts and accessible metal parts below the values specified in clause 29		N/A
19.11.1	Fault conditions a) to g) in 19.11.2 are not applied to circuits or parts of circuits meeting both of the following conditions:		--
	- the electronic circuit is a low-power circuit, that is, the maximum power at low-power points does not exceed 15 W according to the tests specified	For model SC-633EC: EC3: 1.43W	P
	- the protection against electric shock, fire hazard, mechanical hazard or dangerous malfunction of other parts of the appliance does not rely on the correct functioning of the electronic circuit		N/A
19.11.2	Fault conditions applied one at a time, the appliance operating under conditions specified in clause 11, but supplied at rated voltage, duration of the tests as specified:		--
	a) short circuit of functional insulation if clearances or creepage distances are less than the values specified in clause 29		N/A
	b) open circuit at the terminals of any component	No hazard	P
	c) short circuit of capacitors, unless	For model SC-633EC: EC3, EC1: did not work	P
	they comply with IEC 60384-14	Certificated component	P
	d) short circuit of any two terminals of an electronic component, other than integrated circuits	For model SC-633EC: D1: Normal operation. D3, D4: did not work	P
	This fault condition is not applied between the two circuits of an optocoupler		N/A
	e) failure of triacs in the diode mode	Triac: work normally, no hazardous	P
	f) failure of microprocessors and integrated circuits		P
	g) failure of an electronic power switching device		N/A
	Each low power circuit is short-circuited by connecting the low-power point to the pole of the supply source from which the measurements were made		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Appliances having a device with an off position obtained by electronic disconnection, or a device that can place the appliance in a stand-by mode, are turned off or placed in the stand-by mode and supplied at rated voltage (IEC 60335-2-14)		N/A
19.11.3	If the appliance incorporates a protective electronic circuit which operates to ensure compliance with clause 19, the relevant test is repeated with a single fault simulated, as indicated in a) to g) of 19.11.2		N/A
19.11.4	Appliances having a device with an off position obtained by electronic disconnection, or a device that can be placed in the stand-by mode, 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		P
	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
	They incorporate spark gaps		N/A
19.11.4.1	The appliance is subjected to electrostatic discharges in accordance with IEC 61000-4-2, test level 4		P
19.11.4.2	The appliance is subjected to radiated fields in accordance with IEC 61000-4-3, test level 3		P
19.11.4.3	The appliance is subjected to 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		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
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
19.13	During the tests the appliance does not emit flames, molten metal, poisonous or ignitable gas in hazardous amounts		P
	Temperature rises not exceeding the values shown in table 9	(see appended table)	P
	Compliance with clause 8 not impaired		P
	If the appliance can still be operated it complies with 20.2		P
	Insulation, other than of class III appliances or class III constructions that do not contain live parts, withstands the electric strength test of 16.3, the test voltage as specified in table 4:		--
	- basic insulation (V)	1000 V	P
	- supplementary insulation (V)	1750 V	P
	- reinforced insulation (V)	3000 V	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:		--

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Clause	Requirement + Test	Result - Remark	Verdict
	- 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:		--
	- 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
	Appliances tested with an electronic switch in the off position, or in the stand-by mode: (IEC 60335-2-14)		N/A
	- not become operational, or		N/A
	- if they become operational, not result in a dangerous malfunction during or after the tests of 19.11.2		N/A
20	STABILITY AND MECHANICAL HAZARDS		--
20.1	Appliances having adequate stability		P
	Tilting test through an angle of 10°, appliance placed on an inclined plane/horizontal support, not connected to the supply mains; appliance does not overturn		P
	Tilting test repeated on appliances with heating elements, angle of inclination increased to 15°		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		N/A
	Not possible to touch dangerous moving parts with the test probe described		P

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Clause	Requirement + Test	Result - Remark	Verdict
	Detachable accessories are removed and covers are opened except that for : (IEC 60335-2-14)		--
	- centrifugal juicers, the cover and the container for collecting the residue are in position		N/A
	- graters and shredders, this is only applicable to accessories that are removed while the appliance is in operation		N/A
	Test probe not applied to: (IEC 60335-2-14)		--
	- appliances specified in the list	Food mixer	P
	– the following parts of other appliances:		N/A
	smooth shafts having a diameter not exceeding 8 mm, rotating at a speed not exceeding 1 500 rev/min and driven by motors having an input not exceeding 200 W		N/A
	outlet sides of grating and shredding disks rotating at a speed not exceeding 1 500 rev/min		N/A
	projections from the surface of grinding disks, cones and similar parts having a height less than 4 mm		N/A
	Test probe not applied to feed openings having a throat with following dimensions: (IEC 60335-2-14)		P
	- a height of at least 100 mm, measured from the upper edge of the cutting blade	Blender cup: Min. 105 mm	P
	- an average of the maximum and minimum cross-sectional dimensions of the feed opening that does not exceed 65.5 mm	Blender cup: Max. 44 mm	P
	- a maximum cross-sectional dimension of the feed opening that does not exceed 76 mm	Blender cup: Max. 44 mm	P
	For blenders, detachable parts, except lids, are not removed. Test carried out with a test probe similar to that of test probe B of IEC 61032 but with circular stop face as specified. (IEC 60335-2-14)		P
20.101	Accessories for cream whippers, egg beaters and hand-held food mixers have no knife edges, unless a suitable guard prevents accidental contact with their rotating parts (IEC 60335-2-14)		P
	Hand-held food mixer: not possible to release the working tools while rotating at a speed exceeding 1500 r/min (IEC 60335-2-14)		N/A
	If compliance relies on the operation of an electronic circuit the appliances is further tested as follows: (IEC 60335-2-14)		--

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Clause	Requirement + Test	Result - Remark	Verdict
	a) The appliance is supplied at rated voltage and operated under normal operation		N/A
	The electromagnetic phenomena tests of 19.11.4.2 and 19.11.4.5 are applied		N/A
	Beaters, kneaders and similar accessories of hand-held food mixers not be released or be capable of being released by a single action during or after, as appropriate, the electromagnetic phenomena application		N/A
	b) The appliance is supplied at rated voltage and operated under normal operation		N/A
	The fault conditions in a) to g) of 19.11.2 are applied one at a time to the electronic circuit monitoring the release mechanism		N/A
	Beaters, kneaders and similar accessories of hand-held food mixers not be released or be capable of being released by a single action during the test		N/A
	If the electronic circuit is programmable, the software contain measures to control the fault/error conditions specified in Table R.1 and is evaluated in accordance with the relevant requirements of Annex R (IEC 60335-2-14)		N/A
20.102	Blades of hand-held blenders are completely screened from above and are not able to touch a flat surface while rotating (IEC 60335-2-14)		N/A
	Not possible to touch the blades wth the end of the test rod (diameter 8 mm) and checked by inspection		N/A
20.103	Biased-off switch of hand-held blenders recessed or otherwise guarded: Test with a cylindrical rod having a diameter of 40 mm and hemispherical end: appliance does not operate. (IEC 60335-2-14)		N/A
20.104	Not possible to operate the cutting blades of blenders, other than hand-held blenders, while they are accessible: test with test finger specified for blender. (IEC 60335-2-14)		P
	With detachable parts removed, if the cutting blades of the blender can be touched with the test probe specified for blenders in 20.2, it shall not be possible to operate the appliance.		P

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict
	Switches, other than biased-off switches, are placed in the on position and two simultaneous or sequential applications of test probe B of IEC 61032 are applied to biased-off switches, including interlock switches, with a force not exceeding 20 N in an attempt to operate the cutting blades.		P
	During the test, it shall not be possible to operate the appliance.		P
20.105	Centrifugal juicers (IEC 60335-2-14)		--
	- lids and covers do not open due to vibration		N/A
	- rotating parts adequately secured against becoming loose during operation		N/A
	- If speed of rotating parts >5000rev/min: lids and covers can only be closed after removal of tools		N/A
	- teeth of grating disks do not exceed 1,5mm in height		N/A
	- Ejectors on filter drums shall not project by more than 4 mm.		N/A
	- feed pusher provided, of a size that fills the throat of the hopper		N/A
	- lids and covers do not open by force test of 5N		N/A
20.106	For appliances having a feed screw: (IEC 60335-2-14) - the maximum cross-sectional dimension of the hopper not exceed 45 mm.	Max. 44mm	P
	- provide a feed pusher and the feed screw of the appliance is not accessible to test probe B of IEC 61032 with the pusher in position (IEC 60335-2-14)		P
20.107	Slicing machines, other than fixed appliances and those having a biased-off switch, incorporate means to hold the appliance in place and allow it to be released after use: no move on glass plate when subjected to test as specified. (IEC 60335-2-14)		N/A
20.108	slicing machines: (IEC 60335-2-14)		--
	- provided with a guard surrounding the knife and its edge		N/A
	- guard opening as small as permitted by effective use		N/A
	- edge of knife guarded as shown in Fig.101		N/A
	Knife guards shall be non-detachable unless the motor cannot be switched on after their removal.		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	It shall not be possible to operate interlocks by means of test probe B of IEC 61032.		N/A
	Angle of the upper part of guard opening not exceed 75°		N/A
	The angle may be increased to 90° if the exposed part of the knife exceeding 75° is screened from above.		N/A
	Radial distance not exceed 2 mm, if the guard is flush with the plane of the knife; or		N/A
	3 mm, if the guard projects at least 0,2 mm beyond the plane of the knife.		N/A
	Distance between the outer circumference of the knife and the plate that sets the thickness of the slices shall not exceed 6 mm.		N/A
	Distance between the plate that sets the thickness of the slices and any other protecting part shall not exceed 5 mm.		N/A
	Additional guard provided if slices thicker than 15mm allowed		N/A
	Slicing machines shall incorporate a sliding feed table with a hand rest, a thumb guard and a piece holder.		N/A
	Sliding feed table adequately designed (f_30mm, d£ 5mm, thumb guard projects radially by at least 8mm beyond the blades)		N/A
	Piece holder enables small pieces to be sliced		N/A
	Dimensions of spikes or similar as specified		N/A
	Support of sliding table not usable for supplying food without the table in position; verified dash Nos.		N/A
20.109	Slicing machines constructed so that accidental operation of the appliance is prevented. (IEC 60335-2-14)		N/A
	Actuating member of push-button, toggle, rocker or slide switch recessed and actuated with force at least 2N.		N/A
	Actuating member of slide switch located so that unintentional actuation is unlikely and actuated with force at least 5N.		N/A
20.110	The cutting blades of bean slicers: (IEC 60335-2-14)		--
	- are at least 30 mm from the plane of the inlet opening.		N/A
	- length of the major and minor axis of the inlet and outlet openings not exceed 30 mm and 15 mm		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- dimensions of outlet openings not limited if compliance with test specified.		N/A
20.111	The rotating parts of blenders, graters and shredders: - are secured so that they are not liable to become loose during operation. (IEC 60335-2-14)		P
	- a feed pusher shall be provided which fills the throat of the hopper		P
20.112	The cutting blade of food processors stopped within 1,5 s after the lid has been opened or removed. (IEC 60335-2-14)		N/A
20.113	The lid interlock of food processors shall be constructed so that accidental operation of the appliances is prevented (IEC 60335-2-14)		N/A
	Lid interlock switches shall be biased-off switches		N/A
	If there is an interlock between the lid and the main switch, the lid shall be locked when the switch is in the on position		N/A
	When the lid is not correctly closed , the switch shall be locked in the off position		N/A
20.114	Access to dangerous moving parts of food processors prevented for all combinations of assembly of detachable parts that allow the motor to operate: comply with test as specified (IEC 60335-2-14)		N/A
20.115	Knives shall incorporate a biased-off switch that is recessed or guarded to prevent accidental operation. (IEC 60335-2-14)		N/A
	Appliance don't operate when applying a cylindrical rod with diameter 40mm to the switch		N/A
20.116	Centrifugal juicers for fruit and vegetables shall be constructed so that parts cannot become disengaged when the appliance is operated at high speed. (IEC 60335-2-14)		N/A
	Lid removed, appliance supply at rated voltage and highest speed (10 times): no part of appliance disengaged		N/A
	Lid in position, when the speed reaches its maximum value, attempt is made to remove the lid (10 times): no part of appliance disengaged		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
20.117	Centrifugal juicers shall withstand the stresses resulting from parts rotating at high speed (IEC 60335-2-14)		N/A
	Compliance is checked by the following test that is carried out on three new appliances		N/A
	and by testing the sieve in accordance with Annex AA. (IEC 60335-2-14)		N/A
	The rim of plastic material retaining the rotating sieve is cut		N/A
	If the sieve retains its structure, the rim is cut further and the test repeated until disintegration takes place		N/A
	During the test, parts shall not be ejected from the appliance.		N/A
20.118	The operation of cordless appliances incorporating cutting blades that are accessible to test probe B of IEC 61032 shall require two separate movements, unless (IEC 60335-2-14)		N/A
	The control device is not directly accessible to the probe.		N/A
20.119	Bowl and cutting blades of food blenders and hand-held blenders shall have adequate mechanical strength. (IEC 60335-2-14)		P
	After the test, the bowl and cutting blades shall not be broken.		P
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 likely to be weak, in accordance with test EhB of IEC 60068-2-75, spring hammer test, with an impact energy of 0,5 J	(see appended table)	P
	The appliance shows no damage impairing compliance with this standard, and		P
	compliance with 8.1, 15.1 and clause 29 not impaired		P
	If doubt, supplementary or reinforced insulation subjected to the electric strength test of 16.3		N/A
	If necessary, repetition of groups of three blows on a new sample		N/A
	Test also carried out on detachable parts that are necessary for protection against mechanical hazards. (IEC 60335-2-14)		P
21.2	Accessible parts of solid insulation having strength to prevent penetration by sharp implements		P

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Clause	Requirement + Test	Result - Remark	Verdict
	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
22	CONSTRUCTION		--
22.1	Appliance marked with the first numeral of the IP system, relevant requirements of IEC 60529 are fulfilled	IPX0	N/A
22.2	Stationary appliance: means to ensure all-pole disconnection from the supply being provided:		N/A
	- a supply cord fitted with a plug, or		N/A
	- a switch complying with 24.3, or		N/A
	- a statement in the instruction sheet that a disconnection incorporated in the fixed wiring is to be provided, or		N/A
	- an appliance inlet		N/A
	Singe-pole switches and single-pole protective devices for the disconnection of heating elements in single-phase, permanently connected class 01 and class I appliances, connected to the phase conductor		N/A
22.3	Appliance provided with pins: no undue strain on socket-outlets		N/A
	Applied torque not exceeding 0.25 Nm		N/A
	Pull force of 50N to each pin after the appliance has being 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)	Max. 4 V	P

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Clause	Requirement + Test	Result - Remark	Verdict
	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		N/A
22.8	Electrical connections not subject to pulling during cleaning of compartments to which access can be gained without the aid of a tool, and that are likely to be cleaned in normal use		P
22.9	Insulation, internal wiring, windings, commutators and slip rings not exposed to oil, grease or similar substances, unless		P
	the substance has adequate insulating properties		N/A
22.10	Not possible to reset voltage-maintained non-self-resetting thermal cut-outs by the operation of an automatic switching device incorporated within the appliance, if:		N/A
	- a non-self-resetting thermal cut-out is required by the standard, and		N/A
	- a voltage maintained non-self-resetting thermal cut-out is used to meet it		N/A
	Non-self-resetting thermal motor protectors have a trip-free action, unless		N/A
	they are voltage maintained		N/A
	Reset buttons of non-self-resetting controls so located or protected that accidental resetting is unlikely		N/A
22.11	Reliable fixing of non-detachable parts that provide the necessary degree of protection against electric shock, moisture or contact with moving parts		P
	Obvious locked position of snap-in devices used for fixing such parts		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

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Clause	Requirement + Test	Result - Remark	Verdict
	Tests as described	Enclosure, control panel, bottom plastic, knob	P
22.12	Handles, knobs etc. fixed in a reliable manner		P
	Fixing in wrong position of handles, knobs etc. indicating position of switches or similar components not possible		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		P
	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
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		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	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		N/A
	impregnated		N/A
	This requirement does not apply to magnesium oxide and mineral ceramic fibres used for the electrical insulation of heating elements		N/A
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
	In case of rupture, the heating conductor is unlikely to come in contact with accessible metal parts		N/A
22.25	Sagging heating conductors, except in class III appliances or class III constructions that do not contain live parts, cannot come into contact with accessible metal parts		N/A
22.26	For class III constructions the insulation between parts operating at safety extra-low voltage and other live parts complies with the requirements for double or reinforced insulation		N/A
22.27	Parts connected by protective impedance separated by double or reinforced insulation		N/A
22.28	Metal parts of Class II appliances conductively connected to gas pipes or in contact with water, separated from live parts by double or reinforced insulation		N/A
22.29	Class II appliances permanently connected to fixed wiring so constructed that the required degree of access to live parts is maintained after installation		N/A
22.30	Parts serving as supplementary or reinforced insulation fixed so that they cannot be removed without being seriously damaged, or		P
	so constructed that they cannot be replaced in an incorrect position, and so that if they are omitted, the appliance is rendered inoperable or manifestly incomplete		P
22.31	Neither clearances nor creepage distances over supplementary and reinforced insulation reduced below values specified in clause 29 as a result of wear		P

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Clause	Requirement + Test	Result - Remark	Verdict
	Neither clearances nor creepage distances between live parts and accessible parts reduced below values for supplementary insulation if wires, screws etc. become loose		P
22.32	Supplementary and reinforced insulation constructed or protected against pollution so that clearances or creepage distances are not reduced below the values in clause 29		P
	Supplementary insulation of natural or synthetic rubber resistant to ageing, or arranged and dimensioned so that creepage distances are not reduced below values specified in 29.2		N/A
	Ceramic material not tightly sintered, similar materials or beads alone not used as supplementary or reinforced insulation		N/A
	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		P
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

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Clause	Requirement + Test	Result - Remark	Verdict
22.35	For other than class III constructions, handles, levers and knobs, held or actuated in normal use, not becoming live in the event of a failure of basic insulation		P
	Such parts being of metal, and their shafts or fixings are likely to become live in the event of a failure of basic insulation, are either adequately covered by insulation material or their accessible parts are separated from their shafts or fixings by supplementary insulation		N/A
	This requirement does not apply to handles, levers and knobs on stationary appliances and cordless appliances, other than those of electrical components, provided they are reliably connected to an earthing terminal or earthing contact, or separated from live parts by earthed metal		N/A
	Insulating material covering metal handles, levers and knobs withstand the electric strength test of 16.3 for supplementary insulation		N/A
22.36	For appliances other than class III, handles continuously held in the hand in normal use so constructed that when gripped as in normal use, the operators hand is not likely to touch metal parts, unless		N/A
	they are separated from live parts by double or reinforced insulation		N/A
22.37	Capacitors in Class II appliances not connected to accessible metal parts and their casings, if of metal, separated from accessible metal parts by supplementary insulation, unless		P
	the capacitors comply with 22.42		N/A
22.38	Capacitors not connected between the contacts of a thermal cut-out		P
22.39	Lamp holders used only for the connection of lamps		N/A
22.40	Motor-operated appliances and combined appliances intended to be moved while in operation, or having accessible moving parts, fitted with a switch to control the motor. The actuating member of the switch being easily visible and accessible		P
	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

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Clause	Requirement + Test	Result - Remark	Verdict
22.41	No components, other than lamps, containing mercury		P
22.42	Protective impedance consisting of at least two separate components		N/A
	Values specified in 8.1.4 not exceeded if any one of the components are short-circuited or open-circuited		N/A
	Resistors checked by the test of 14.1 a) in IEC 60065		N/A
	Capacitors checked by the tests for class Y capacitors in IEC 60384-14		N/A
22.43	Appliances adjustable for different voltages, accidental changing of the setting of the voltage unlikely to occur		N/A
22.44	Appliances not having an enclosure that is shaped or decorated like a toy		P
22.45	When air is used as reinforced insulation, clearances not reduced below the values specified in 29.1.3 due to deformation as a result of an external force applied to the enclosure		P
22.46	For programmable protective electronic circuits used to ensure compliance with the standard, the software contains measures to control the fault/error conditions in table R.1		N/A
	Software that contains measures to control the fault/error conditions specified in table R.2 is to be specified in parts 2 for particular constructions or to address specific hazards		N/A
	These requirements are not applicable to software used for functional purpose or compliance with clause 11		N/A
22.47	Appliances connected to the water mains withstand the water pressure expected in normal use		N/A
	No leakage from any part, including any inlet water hose		N/A
22.48	Appliances connected to the water mains constructed to prevent backsiphonage of non-potable water		N/A
22.49	For remote operation, the duration of operation is to be set before the appliance can be started, unless the appliance switches off automatically or can operate continuously without hazard		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
22.50	Controls incorporated in the appliance take priority over controls actuated by remote operation		N/A
22.51	There is a control on the appliance manually adjusted to the setting for remote operation before the appliance can be operated in this mode		N/A
	There is a visual indication showing that the appliance is adjusted for remote operation		N/A
	These requirements not necessary on appliances that can operate as follows, without giving rise to a hazard:		--
	- continuously, or		N/A
	- automatically, or		N/A
	- remotely		N/A
22.52	Socket-outlets on appliances accessible to the user in accordance with the socket-outlet system used in the country in which the appliance is sold		N/A
22.53	Class II appliances and class III appliances that incorporate functionally earthed parts have at least double insulation or reinforced insulation between live parts and the functionally earthed parts		N/A
22.54	Button cells and batteries designated R1 not accessible without the aid of a tool, unless		N/A
	the cover of their compartment can only be opened after at least two independent movements have been applied simultaneously		N/A
22.55	Devices operated to stop the intended function of the appliance, if any, are distinguished from other manual devices by means of shape, size, surface texture or position:		P
	The requirement concerning position does not preclude use of a push on push off switch		N/A
	An indication when the device has been operated is given by:		P
	– tactile feedback from the actuator or from the appliance, or		P
	– 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

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Clause	Requirement + Test	Result - Remark	Verdict
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	Appliances constructed so that lubricants are prevented from polluting food compartments (IEC 60335-2-14)		P
22.102	Appliances constructed so that food or liquids are prevented from penetrating into places that could cause electrical or mechanical faults. (IEC 60335-2-14)		P
22.103	The appliance coupler of cordless blenders shall be constructed to withstand the stresses occurring during normal use. (IEC 60335-2-14)		N/A
	The two live pins of the blender are connected together and an external resistive load is connected in series with the supply. The external load is such that the current is 1,1 times rated current.		N/A
	The blender is placed on its stand and withdrawn 10 000 times at a rate of approximately 10 times per minute. The test is continued for a further 10 000 times without current flowing.		N/A
	If the connection contacts cannot be energized when making or breaking the connection, instead of the above sequence, the test is carried out 20 000 times without current.		N/A
	After the test, the blender shall be suitable for further use and compliance with 8.1, 16.3, 27.5 and Clause 29 shall not be impaired.		N/A
22.104	Knife sharpeners shall be constructed so that knife blades are prevented from penetrating into areas that could cause an electrical or mechanical hazard (IEC 60335-2-14)		N/A
	Test probe D of IEC 61032 is inserted in any position through openings intended for sharpening		N/A
	It is not possible to touch live parts, electrical insulation or moving parts, other than a grinding wheel		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

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Clause	Requirement + Test	Result - Remark	Verdict
	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
	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		N/A
	For components mentioned in 24.1.1 to 24.1.9 no additional tests specified in the relevant component standard are necessary other than those specified in 24.1.1 to 24.1.9		P
	Components not tested and found to comply with relevant IEC standard and components not marked or not used in accordance with its marking, tested under the conditions occurring in the appliance		P
	Lampholders and starterholders that have not being tested and found to comply with the relevant IEC standard, tested as a part of the appliance and additionally according to the gauging and interchangeability requirements of the relevant IEC standard		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	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
24.1.1	Capacitors likely to be permanently subjected to the supply voltage and used for radio interference suppression or for voltage dividing, complying with IEC 60384-14	Certificated Component	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		N/A
24.1.3	Switches comply with IEC 61058-1, the number of cycles of operation being at least 10 000	Certificated Component	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 at least 10 000 as specified, the complete switching system need not be tested		N/A
	Switches incorporated in the following appliances are tested for 3 000 cycles of operation: (IEC 60335-2-14)		--
	- bean slicers;		N/A
	- liquid blenders;		P
	- cheese graters;		N/A
	- graters;		N/A
	- ice-cream machines for use in refrigerators and freezers;		N/A
	- sieving machines;		N/A
	- shredders.		N/A
24.1.4	Automatic controls complying with IEC 60730-1 with the relevant part 2. The number of cycles of operation being at least:		--
	- thermostats: 10 000		N/A
	- temperature limiters: 1 000		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- self-resetting thermal cut-outs: 300		N/A
	- voltage maintained non-self-resetting thermal cut-outs: 1 000		P
	- other non-self-resetting thermal cut-outs: 30		N/A
	- timers: 3 000		N/A
	- energy regulators: 10 000		N/A
	The number of cycles for controls operating during clause 11 need not be declared, if the appliance meets the requirements of this standard when they are short-circuited		N/A
	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		N/A
	Thermal links not comply 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

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Clause	Requirement + Test	Result - Remark	Verdict
	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.....:	Certificated component	P
24.2	Appliances not fitted with: - switches or automatic controls in flexible cords - devices causing the protective device in the fixed wiring to operate in the event of a fault in the appliance - thermal cut-outs that can be reset by soldering, unless the solder has a melting point of at least 230 °C		-- P P P 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 In addition, the motors comply with the requirements of Annex I		N/A N/A
24.7	Detachable hose-sets for connection of appliances to the water mains comply with IEC 61770 They are supplied with the appliance		N/A N/A
	Appliances intended to be permanently connected to the water mains not connected by a detachable hose-set		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
24.8	Motor running capacitors in appliances for which 30.2.3 is applicable and that are permanently connected in series with a motor winding, not causing a hazard in event of a failure		N/A
	One or more of the following conditions are to be met:	--	
	- the capacitors are of class P2 according to IEC 60252-1		N/A
	- 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
25	SUPPLY CONNECTION AND EXTERNAL FLEXIBLE CORDS		--
25.1	Appliance not intended for permanent connection to fixed wiring, means for connection to the supply:	--	
	- supply cord fitted with a plug, the current rating and voltage rating of the plug being not less than the corresponding ratings of its associated appliance		P
	- an appliance inlet having at least the same degree of protection against moisture as required for the appliance, or		N/A
	- pins for insertion into socket-outlets		N/A
	Ice-cream machines for use in refrigerators and freezers and hand-held appliances: no appliance inlet. (IEC 60335-2-14)		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:	--	
	- a set of terminals allowing the connection of a flexible cord		N/A
	- a fitted supply cord		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- a set of supply leads accommodated in a suitable compartment		N/A
	- a set of terminals for the connection of cables of fixed wiring, cross-sectional areas specified in 26.6, and the appliance allows the connection of the supply conductors after the appliance has been fixed to its support		N/A
	- a set of terminals and cable entries, conduit entries, knock-outs or glands, allowing connection of appropriate types of cable or conduit, and the appliance allows the connection of the supply conductors after the appliance has been fixed to its support		N/A
	For a fixed appliance constructed so that parts can be removed to facilitate easy installation, this requirement is met if it is possible to connect the fixed wiring without difficulty after a part of the appliance has been fixed to its support		N/A
25.4	Cable and conduit entries, rated current of appliance not exceeding 16 A, dimension according to table 10 (mm)		N/A
	Introduction of conduit or cable does not reduce clearances or creepage distances below values specified in clause 29		N/A
25.5	Method for assembling the supply cord to the appliance:	--	
	- type X attachment		N/A
	- type Y attachment		P
	- type Z attachment, if allowed in relevant part 2		N/A
	Type X attachment, other than those with a specially prepared cord, not used for flat twin tinsel cords		N/A
	For multi-phase appliances supplied with a supply cord and that are intended to be permanently connected to fixed wiring, the supply cord is assembled to the appliance by type Y attachment		N/A
	Type Z attachment allowed for : (IEC 60335-2-14)		N/A
	- can openers		N/A
	- coffee mills and grain grinders having a mass not exceeding 1.5 kg		N/A
	- cream whippers		N/A
	- egg beaters		N/A
	- ice-cream machines including those for use in refrigerators and freezers		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- knife sharpeners		N/A
	Type X attachments, other than those with a specially prepared cord, not used for ice-cream machines for use in refrigerators and freezers. (IEC 60335-2-14)		N/A
25.6	Plugs fitted with only one flexible cord		P
25.7	Supply cords, other than for class III appliances, being one of the following types:		--
	- rubber sheathed (at least 60245 IEC 53)		N/A
	- 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 	8,9kg, H05VVH2-F, H05VV-F	P
	- heat resistant polyvinyl chloride sheathed. Not used for type X attachment other than specially prepared cords		--
	<ul style="list-style-type: none"> • heat-resistant light polyvinyl chloride sheathed cord (60227 IEC 56), for appliances not exceeding 3 kg 		N/A
	<ul style="list-style-type: none"> • heat-resistant polyvinyl chloride sheathed cord (60227 IEC 57), for other appliances 		N/A
	- halogen-free, low smoke, thermoplastic insulated and sheathed		--
	<ul style="list-style-type: none"> • light duty halogen-free low smoke flexible cable (62821 IEC 101) for circular cable and (62821 IEC 101f) for flat cable 		N/A
	<ul style="list-style-type: none"> • Ordinary duty halogen-free low smoke flexible cable (62821 IEC 102) for circular cable and (62821 IEC 102) 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
	Polyvinyl chloride sheathed supply cords of ice-cream machines for use in refrigerators and freezers are resistant to low temperatures: comply with tests 8.1, 8.2 and 8.3 of IEC 60811-1-4, carried out at a temperature of $-25^{\circ}\text{C} \pm 2^{\circ}\text{C}$. (IEC 60335-2-14)		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
25.8	Nominal cross-sectional area of supply cords not less than table 11; rated current (A); cross-sectional area (mm ²).....:	Rated current: 2,1 A; Cross-sectional area: 2 x 0,75mm ² (Length < 2 m)	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		N/A
	In multi-phase appliances, the colour of the neutral conductor of the supply cord is blue		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		N/A
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
	– Where additional neutral conductors are provided in the supply cord:		N/A
	– all of the neutral conductors and line conductors are identified by marking using the alpha numeric notation specified in IEC 60445		N/A
	– the supply cord is fitted to the appliance		N/A
	If unsheathed supply cord, a similar additional bushing or lining is required, unless the appliance is		N/A
	class 0, or		N/A
	a class III appliance not containing live parts		N/A
25.14	Supply cords moved while in operation adequately protected against excessive flexing		N/A
	Flexing test, as described:		--
	- applied force (N).....:		N/A
	- number of flexings.....:		N/A
	The test does not result in:		--
	- short-circuit between the conductors, such that the current exceeds a value of twice the rated current		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- 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
	Hand-held blenders and hand-held mixers subjected to 2000 flexings as specified in IEC 60335-2-14, while mounted on an apparatus similar to that of Figure 8. (IEC 60335-2-14)		N/A
25.15	For appliances with supply cord and appliances to be permanently connected to fixed wiring by a flexible cord, conductors of the supply cord relieved from strain, twisting and abrasion by use of cord anchorage		P
	The cord cannot be pushed into the appliance to such an extent that the cord or internal parts of the appliance can be damaged		P
	Pull and torque test of supply cord:		--
	- fixed appliances: pull 100 N; torque (not on automatic cord reel) (Nm)		N/A
	- other appliances: values shown in table 12: mass (kg); pull (N); torque (not on automatic cord reel) (Nm).....	Mass: 8,9kg,100N, 0,35N	P
	Cord not damaged and max. 2 mm displacement of the cord	0,9 mm	P
25.16	Cord anchorages for type X attachments constructed and located so that:		--
	- replacement of the cord is easily possible		N/A
	- it is clear how the relief from strain and the prevention of twisting are obtained		N/A
	- they are suitable for different types of supply cord		N/A
	- cord cannot touch the clamping screws of cord anchorage if these screws are accessible, unless		N/A
	they are separated from accessible metal parts by supplementary insulation		N/A
	- the cord is not clamped by a metal screw which bears directly on the cord		N/A
	- at least one part of the cord anchorage securely fixed to the appliance, unless		N/A
	it is part of a specially prepared cord		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- screws which have to be operated when replacing the cord do not fix any other component, unless		N/A
	the appliance becomes inoperative or incomplete or the parts cannot be removed without a tool		N/A
	- if labyrinths can be bypassed the test of 25.15 is nevertheless withstood		N/A
	- for class 0, 0I and I appliances they are of insulating material or are provided with an insulating lining, unless		N/A
	failure of the insulation of the cord does not make accessible metal parts live		N/A
	- for class II appliances they are of insulating material, or		N/A
	if of metal, they are insulated from accessible metal parts by supplementary insulation		N/A
	After the test of 25.15, under the conditions specified, the conductors have not moved by more than 1 mm in the terminals		N/A
25.17	Adequate cord anchorages for type Y and Z attachment, test with the cord supplied with the appliance		P
25.18	Cord anchorages only accessible with the aid of a tool, or		P
	Constructed so that the cord can only be fitted with the aid of a tool		N/A
25.19	Type X attachment, glands not used as cord anchorage in portable appliances		N/A
	Tying the cord into a knot or tying the cord with string not used		N/A
25.20	The conductors of the supply cord for type Y and Z attachment insulated from accessible metal parts		P
25.21	Space for supply cord for type X attachment or for connection of fixed wiring constructed:		--
	- to permit checking of conductors with respect to correct positioning and connection before fitting any cover		N/A
	- so there is no risk of damage to the conductors or their insulation when fitting the cover		N/A
	- for portable appliances, so that the uninsulated end of a conductor, if it becomes free from the terminal, prevented from contact with accessible metal parts		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	2 N test to the conductor for portable appliances; no contact with accessible metal parts		N/A
25.22	Appliance inlets: - live parts not accessible during insertion or removal		-- N/A
	Requirement not applicable to appliance inlets complying with IEC 60320-1		N/A
	- connector can be inserted without difficulty		N/A
	- the appliance is not supported by the connector		N/A
	- not for cold conditions if temp. rise of external metal parts exceeds 75 K during clause 11, unless		N/A
	the supply cord is unlikely to touch such metal parts		N/A
	- located so that pollution by food or liquid is unlikely to occur during normal use. (IEC 60335-2-14)		N/A
25.23	Interconnection cords comply with the requirements for the supply cord, except that: - 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
	If necessary, electric strength test of 16.3		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
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
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

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Clause	Requirement + Test	Result - Remark	Verdict
	The microenvironment is pollution degree 1 under type 1 protection		N/A
	For type 2 protection, the spacing between the conductors before the protection is applied is not less than the values specified in Table 1 of IEC 60664-3		N/A
	These values apply to functional, basic, supplementary and reinforced insulation		N/A
29.1	Clearances not less than the values specified in table 16, taking into account the rated impulse voltage for the overvoltage categories of table 15, unless	(see appended table)	P
	for basic insulation and functional insulation they comply with the impulse voltage test of clause 14		N/A
	However, if the distances are affected by wear, distortion, movement of the parts or during assembly, the clearances for rated impulse voltages of 1500V and above are increased by 0,5 mm and the impulse voltage test is not applicable		P
	For appliances intended for use at altitudes exceeding 2 000 m, the clearances in Table 16 is increased according to the relevant multiplier values in Table A.2 of IEC 60664-1		N/A
	Impulse voltage test is not applicable:		--
	- when the microenvironment is pollution degree 3, or		P
	- for basic insulation of class 0 and class 01 appliances		N/A
	- to appliances intended for use at altitudes exceeding 2 000 m		N/A
	Appliances are in overvoltage category II		P
	A force of 2 N is applied to bare conductors, other than heating elements		P
	A force of 30 N is applied to accessible surfaces		P
29.1.1	Clearances of basic insulation withstand the overvoltages, taking into account the rated impulse voltage		P
	The values of table 16 or the impulse voltage test of clause 14 are applicable	(see appended table)	P
	Clearance at the terminals of tubular sheathed heating elements may be reduced to 1,0 mm if the microenvironment is pollution degree 1		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Lacquered conductors of windings considered to be bare conductors		P
29.1.2	Clearances of supplementary insulation not less than those specified for basic insulation in table 16	(see appended table)	P
29.1.3	Clearances of reinforced insulation not less than those specified for basic insulation in table 16, using the next higher step for rated impulse voltage	(see appended table)	P
	For double insulation, with no intermediate conductive part between basic and supplementary insulation, clearances are measured between live parts and the accessible surface, and the insulation system is treated as reinforced insulation		P
29.1.4	Clearances for functional insulation are the largest values determined from:	--	
	- table 16 based on the rated impulse voltage	(see appended table)	P
	- table F.7a in IEC 60664-1, frequency not exceeding 30 kHz		N/A
	- clause 4 of IEC 60664-4, frequency exceeding 30 kHz		N/A
	If values of table 16 are largest, the impulse voltage test of clause 14 may be applied instead, unless		N/A
	the microenvironment is pollution degree 3, or		P
	the distances can be affected by wear, distortion, movement of the parts or during assembly		P
	However, clearances are not specified if the appliance complies with clause 19 with the functional insulation short-circuited		P
	Lacquered conductors of windings considered to be bare conductors		P
	However, clearances at crossover points are not measured		P
	Clearance between surfaces of PTC heating elements may be reduced to 1mm		N/A
29.1.5	Appliances having higher working voltages than rated voltage, clearances for basic insulation are the largest values determined from:	--	
	- table 16 based on the rated impulse voltage		N/A
	- table F.7a in IEC 60664-1, frequency not exceeding 30 kHz		N/A
	- clause 4 of IEC 60664-4, frequency exceeding 30 kHz		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	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		P
	- precautions taken to protect the insulation; pollution degree 1		N/A
	- 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
	Microenvironment is pollution degree 3 (IEC 60335-2-14)		P
	unless insulation enclosed or located so that it is unlikely to be exposed to pollution during normal use of the appliance (IEC 60335-2-14)		P

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Clause	Requirement + Test	Result - Remark	Verdict
29.2.1	Creepage distances of basic insulation not less than specified in table 17	(see appended table)	P
	However, if the working voltage is periodic and has a frequency exceeding 30 kHz, the creepage distances are also determined from table 2 of IEC 60664-4, these values being used if exceeding the values in table 17		N/A
	Except for pollution degree 1, corresponding creepage distance not less than the minimum specified for the clearance in table 16, if the clearance has been checked according to the test of clause 14		N/A
29.2.2	Creepage distances of supplementary insulation at least those specified for basic insulation in table 17, or	(see appended table)	P
	Table 2 of IEC 60664-4, as applicable		N/A
29.2.3	Creepage distances of reinforced insulation at least double those specified for basic insulation in table 17, or	(see appended table)	P
	Table 2 of IEC 60664-4, as applicable		N/A
29.2.4	Creepage distances of functional insulation not less than specified in table 18	(see appended table)	P
	However, if the working voltage is periodic and has a frequency exceeding 30 kHz, the creepage distances are also determined from table 2 of IEC 60664-4, these values being used if exceeding the values in table 18		N/A
	Creepage distances may be reduced if the appliance complies with clause 19 with the functional insulation short-circuited		P
29.3	Supplementary and reinforced insulation have adequate thickness, or a sufficient number of layers, to withstand the electrical stresses		P
	Compliance checked:		--
	- by measurement, in accordance with 29.3.1, or		P
	- by an electric strength test in accordance with 29.3.2, or		N/A
	- for insulation, other than single layer internal wiring insulation, by an assessment of the thermal quality of the material combined with an electric strength test, in accordance with 29.3.3, and		N/A
	for accessible parts of reinforced insulation consisting of a single layer, by measurement in accordance with 29.3.4, or		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- 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
29.3.1	Supplementary insulation have a thickness of at least 1 mm		P
	Reinforced insulation have a thickness of at least 2 mm		P
29.3.2	Each layer of material withstand the electric strength test of 16.3 for supplementary insulation		N/A
	Supplementary insulation consist of at least 2 layers		N/A
	Reinforced insulation consist of at least 3 layers		N/A
29.3.3	The insulation is subjected to the dry heat test Bb of IEC 60068-2-2, followed by		N/A
	the electric strength test of 16.3		N/A
	If the temperature rise during the tests of clause 19 does not exceed the value specified in table 3, the test of IEC 60068-2-2 is not carried out		N/A
29.3.4	Thickness of accessible parts of reinforced insulation consisting of a single layer not less than specified in table 19.....:		N/A
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

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Clause	Requirement + Test	Result - Remark	Verdict
	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
	For ice-cream machines for use in refrigerators and freezers, temperature of 40 °C instead of 10 °C. (IEC 60335-2-14)		N/A
30.2	Parts of non-metallic material resistant to ignition and spread of fire		P
	This requirement does not apply to:		--
	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		P
	- for unattended appliances, 30.2.3 applies		N/A
	For appliances for remote operation, 30.2.3 applies		N/A
	For base material of printed circuit boards, 30.2.4 applies		P
	For churbs and ice-cream machines, 30.2.3 is applicable. (IEC 60335-2-14)		N/A
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)	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		P
	parts of non-metallic material within a distance of 3mm of such connections,		P
	subjected to the glow-wire test of IEC 60695-2-11		P

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Clause	Requirement + Test	Result - Remark	Verdict
	The test severity is:		--
	- 750 °C, for connections carrying a current exceeding 0,5 A during normal operation	(see appended table)	P
	- 650 °C, for other connections	(see appended table)	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:		--
	- 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:		--
	- 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		P
	- comprise material classified as V-0 or V-1 according to IEC 60695-11-10		N/A
	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		N/A
	The tests are not applicable to conditions as specified		N/A
30.2.3.1	Parts of non-metallic material supporting connections carrying a current exceeding 0,2 A during normal operation, and		N/A
	parts of non-metallic material, other than small parts, within a distance of 3 mm,		N/A
	subjected to the glow-wire test of IEC 60695-2-11 with a test severity of 850 °C		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 850 °C		N/A
30.2.3.2	Parts of non-metallic material supporting connections, and		N/A
	parts of non-metallic material within a distance of 3mm,		N/A

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict
	subjected to glow-wire test of IEC 60695-2-11		N/A
	The test severity is:	--	
	- 750 °C, for connections carrying a current exceeding 0,2 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
	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:	--	
	- a glow-wire ignition temperature according to IEC 60695-2-13 of at least:		N/A
	• 775 °C, for connections carrying a current exceeding 0,2 A during normal operation		N/A
	• 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
	- 650 °C, for other connections		N/A
	The glow-wire test is also not carried out on small parts. These parts are to:	--	
	- 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:	--	
	- 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

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict
	- 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:		--
	- 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		N/A
	Test not applicable to conditions as specified.....:	V-0	P

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
ATTACHMENT TO TEST REPORT			
IEC 60335-2-14:2006, IEC 60335-2-14:2006/AMD1:2008			
EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Household and similar electrical appliances – Safety –			
Part 2: Particular requirements for kitchen machines			
Differences according to.....: EN 60335-2-14:2006 + A1:2008 + A11:2012 + A12:2016 used in conjunction with			
EN 60335-1:2012 + A11:2014 + A13:2017 + A1:2019 + A14:2019 + A2:2019 + A15:2021			
EN 62233:2008			
TRF template used : IECEE OD-2020-F2:2020, Ed. 1.1			
Attachment Form No. : EU_GD_IEC60335_2_14X			
Attachment Originator: Nemko Group AS			
Master Attachment: 2022-05-12			
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CENELEC COMMON MODIFICATIONS (EN)			
6.1	Delete “class 0” and “class 01”		--
	Class II or class III for hand-held kitchen machines (EN 60335-2-14, A1:2008)		P
7.1	Single-phase appliances to be connected to the supply mains: 230 V covered	220 V – 240 V	N/A
	Multi-phase appliances to be connected to the supply mains: 400 V covered		P
7.10	The accessible switch required by 22.40 is distinguished from other manual devices by means of shape, or size, or surface texture, or position, etc.(EN 60335-2-14)		N/A
	An indication that the device has been operated is given by:		P
	a tactile feedback, or		--
	an audible and visual feedback		P
	A selector switch with an off-position clearly identifiable is allowed(EN 60335-2-14)		--

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
	An ON/OFF switch, if any, is considered a suitable device to stop operational functions.....(EN 60335-2-14)		P
	A plug is not considered a suitable device to stop operational functions, as it can be difficult to be reached by vulnerable persons ..(EN 60335-2-14)		P
7.12	The instructions for appliances warn of potential injury from misuse ..(EN 60335-2-14)		P
	The instructions for appliances include the substance of the following: (EN 60335-2-14)		--
	Always disconnect the appliance from the supply if it is left unattended and before assembling, disassembling or cleaning.....(EN 60335-2-14)		P
	The instructions for bean slicers, berry-juice extractors, blenders and hand-held blenders churns, centrifugal juicers, coffee mills, food mixers, food processors, grain grinders, knife sharpeners, knives, mincers, noodle makers, potato peelers, shredders, sieving machines and slicing machines include the substance of the following: (EN 60335-2-14)		--
	This appliance shall not be used by children. Keep the appliance and its cord out of reach of children (EN 60335-2-14)		P
	The instructions for can openers, citrus-fruit squeezers, cream whippers, egg beaters, graters and ice-cream machines include the substance of the following: EN 60335-2-14)		--
	This appliance can be used by children aged from 8 years and above if they have been given supervision or instruction concerning use of the appliance in a safe way and if they understand the hazards involved (EN 60335-2-14)		N/A
	Cleaning and user maintenance shall not be made by children unless they are aged from 8 years and above and supervised (EN 60335-2-14)		N/A
	Keep the appliance and its cord out of reach of children aged less than 8 years ..(EN 60335-2-14)		N/A
	The instructions also include the substance of the following: (EN 60335-2-14)		--
	Appliances can be used by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and if they understand the hazards involved(EN 60335-2-14)		P

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
	Children shall not play with the appliance (EN 60335-2-14)		P
8.1.1	Also test probe 18 of EN 61032 is applied		P
	The appliance being in every possible position during the test, except that		P
	appliances normally used on the floor and having a mass exceeding 40 kg are not tilted		N/A
	The force on the probe in the straight position is increased to 10 N when probe 18 is used		P
	When using test probe 18 the appliance is fully assembled as in normal use without any parts removed, and		P
	parts intended to be removed for user maintenance are also not removed		P
8.1.3	Instead of test probe B, test probe 18 and test probe 13, for appliances other than those of class II, test probe 41 of IEC 61032 is applied with a force not exceeding 1 N to live parts of visibly glowing heating elements, all poles of which can be disconnected by a single switching action		N/A
8.2	Compliance is checked by inspection and by applying the test probes of EN 61032 in accordance with the conditions specified in 8.1.1		P
	Test probe B and probe 18 of EN 61032 are applied to built-in appliances and fixed appliances only after installation		N/A
11.8	During the test, the temperature rises are monitored continuously and do not exceed the values shown in Table 3 and Table Z101". (EN 60335-2-14)		P
	Footnotes to "External enclosure of motor-operated appliances" to be taken into account (EN 60335-2-14)		P
	Add the following Table Z101(EN 60335-2-14)		P
15.1.2	Appliances with an automatic cord reel tested with the cord in the most unfavourable position so that the reeling of the wet cord may affect electrical insulation during operation, the cord not being dried before reeling		N/A

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
20.2	When using a test probe similar to test probe B of EN 61032, having a circular stop face and applied with a force of 5N, the accessories and detachable covers are removed		P
	When using test probe 18 it is applied with a force of 2,5N on the appliance fully assembled		P
	The test probe, similar to test probe B but having a circular stop face with a diameter of 50 mm, is not applied to: (EN 60335-2-14)		--
	- appliances specified in the list		P
	- the following parts of other appliances:		N/A
	smooth shafts having a diameter not exceeding 8 mm, rotating at a speed not exceeding 1 500 r/min and driven by motors having an input not exceeding 200 W		N/A
	outlet sides of grating and shredding disks rotating at a speed not exceeding 1 500 r/min		N/A
	projections from the surface of grinding disks, cones and similar parts having a height less than 4 mm		N/A
	Test probe 18 not applied to: (EN 60335-2-14)		--
	- appliances specified in the list		P
	- the following parts of other appliances:		N/A
	smooth shafts having a diameter not exceeding 8 mm, rotating at a speed not exceeding 1 500 r/min and driven by motors having an input not exceeding 200 W		N/A
	outlet sides of grating and shredding disks rotating at a speed not exceeding 1 500 r/min		N/A
	projections from the surface of grinding disks, cones and similar parts having a height less than 4 mm		N/A
	For blenders, detachable parts, except lids, are not removed. Test probe 18 is not applied to blenders Test probe 18 is not applied to blenders."		P
21.Z101	Drop test for hand-held appliances (EN 60335-2-14)		N/A
	The appliance not damaged to such an extent that compliance with this standard, in particular with Clauses 8 and 29, is impaired(EN 60335-2-14)		N/A

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
22.12	Other parts intended to be detached during use, maintenance or cleaning (e.g. batteries, battery covers, lids, attachments, steam nozzles) are not considered as parts providing a similar function as handles, knobs, grips, levers		P
22.17	The requirement is not applicable to built-in appliances		N/A
22.44	An appliance is child-appealing if one of the following criteria is present:	--	
	- appliance decorated using faces, cartoon like characters, or similar images		N/A
	- appliance using shapes representing animals, characters, persons or scale models		N/A
	An appliance is child-appealing if more than one of the following criteria are present:	--	
	- using non-functional light (functional light is e.g. illumination of an object or area, signal indicating status of an appliance)		N/A
	- using non-functional sound (e.g. music)		N/A
	- using non-functional movement		N/A
	If the appliance is child-appealing, has a mass less than 4 kg or is mounted or normally intended for use at a height less than 850 mm, the following conditions are met:	--	
	- surface temperature rise requirements not exceeded		N/A
	- hazardous moving parts not accessible		N/A
	- live parts not accessible		N/A
	- liquid temperature requirement not exceeded,		N/A
	unless for vessels in which two independent and sequential actions are needed to access the liquid		N/A
	- the requirement of 22.12 is applicable for all accessible parts of the appliance		N/A
24.1	Components comply with the safety requirements specified in the relevant EN standards as far as they reasonably apply		P
	Motors are not required to comply with EN 60034-1, but tested as part of the appliance according to this standard		P
	Relays are tested as part of the appliance according to this standard		P

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
	Relays may be alternatively tested to EN 60730-1 and the additional requirements in EN 60335-1		P
	The requirements of Clause 29 of this standard apply between live parts of components and accessible parts of the appliance		P
	Components may comply with the requirements for clearances and creepage distances for functional insulation as specified in the relevant component standard		P
	The requirements of 30.2 of this standard apply to parts of non-metallic material in components including parts of non-metallic material supporting current-carrying connections inside components		P
	Components that have not been tested and shown to comply with the EN standard for the relevant component are tested according to the requirements of 30.2 of this standard		P
	Components that have been tested and shown to comply with the resistance to fire requirements in the EN standard for the relevant component need not be retested provided that:		--
	- the severity specified in the component standard is not less than the severity specified in 30.2, and		P
	- the test report for the component states the values of t_e and t_i acc. to EN 60695-2-11		P
	If the above two conditions are not satisfied, the component is tested as part of the appliance		P
	Power electronic converter circuits are not required to comply with EN 62477-1, but tested as part of the appliance according to this standard		N/A
	Unless components have been tested and found to comply with the relevant EN standard for the number of cycles specified, they are tested in accordance with 24.1.1 to 24.1.9		N/A
	For components mentioned in 24.1.1 to 24.1.9, no additional tests specified in the relevant EN standard for the component are necessary other than those specified in 24.1.1 to 24.1.9		N/A
	Components that have not been tested and found to comply with the relevant EN standard, and		P
	components that are not marked or not used in accordance with their marking,		P

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
	are tested in accordance with the conditions occurring in the appliance, the number of samples being that required by the relevant standard		P
	Lamp-holders and starter-holders that have not been tested and found to comply with the relevant EN standard are tested as a part of the appliance and additionally comply with the gauging and interchangeability requirements of the relevant EN standard under the conditions occurring in the appliance		N/A
	Where the relevant EN standard specifies these gauging and interchangeability requirements at elevated temperatures, the temperatures measured during the tests of Clause 11 are used		N/A
	There are no additional tests specified for nationally standardized plugs such as those detailed in IEC/TR 60083 or connectors complying with the standard sheets of EN 60320-1 and EN 60309, unless they are specifically mentioned in the text of this standard		N/A
	Plugs and socket-outlets and other connecting devices of interconnection cords are not interchangeable with plugs and socket-outlets listed in IEC/TR 60083 or IEC 60906-1, or		N/A
	with connectors and appliance inlets complying with the standard sheets of EN 60320-1, if		N/A
	direct supply to these parts from the supply mains gives rise to a hazard		N/A
	For plugs used in CENELEC countries Annex ZH applies		P
24.Z1	Type S2 and S3 capacitors according to EN 60252-1 are not required to undergo the testing as required by 30.2.2 and 30.2.3.1		N/A
25.1	Plugs and pins for insertion into socket outlets follow the relevant standards sheets in Annex ZH		N/A
25.7	Rubber sheathed cords (60245 IEC 53) are not suitable for appliances intended to be used outdoors, or		N/A
	when they are liable to be exposed to significant amount of ultraviolet radiation		N/A
25.25	Instead of IEC/TR 60083, dimensions of the pins and engagement face of plugs of appliances that are inserted into socket-outlets are in accordance with the dimensions of the relevant plug standard		N/A

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
	Common plugs and socket-outlets types in CENELEC countries as shown in Annex ZH		P
26.11	Conductors connected by soldering are not considered to be positioned or fixed so that reliance is not placed upon the soldering alone to maintain them in position, unless they are held in place near the terminals independently of the solder		P N/A
29.3.Z1	Appliance constructed so that if there is a possibility of damaging the insulation during installation, the insulation withstands the scratch and penetration test of 21.2		N/A
32	Compliance regarding electromagnetic fields is checked according to EN 62233		P
Annex I, 19.I.101	The appliance is supplied at rated voltage and operated under normal operation with each of the fault conditions specified		N/A
	The duration of any of the tests is as specified in 19.7		N/A
ZA	ANNEX ZA (NORMATIVE) SPECIAL NATIONAL CONDITIONS (EN)		--
	Denmark, Sweden, Norway and Finland		--
7.12.8	The maximum inlet water pressure is at least 1,0 MPa		N/A
	Norway		--
19.5	The test is also applicable to appliances intended to be permanently connected to fixed wiring		N/A
	Norway		--
22.2	The second paragraph of this subclause, dealing with single-phase, permanently connected class I appliances having heating elements, is not applicable due to the supply system		N/A
	Denmark		--

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
22.47	The maximum inlet water pressure is at least 1,0 MPa		N/A
	Ireland, United Kingdom and Cyprus		--
25.8	In the table, the line >10 A and 16 A is replaced with:		--
	> 10 and 13 1,25 (1,0) ^b		N/A
	> 13 and 16 1,5 (1,0) ^b		N/A
ZB	ANNEX ZB (INFORMATIVE) A-DEVIATIONS		--
	Ireland		--
25.1 and 25.25	These regulations apply to all plugs for domestic use at a voltage of not less than 200 V and in general allow only plugs complying with I.S. 401:1997, or equivalent, to be fitted to domestic appliances		N/A
	United Kingdom		--
25.1 and 25.25	These regulations apply to all plugs for domestic use at a voltage of not less than 200 V and in general allow only plugs to BS 1363 to be fitted to domestic appliances.		N/A
	It also allows plugs to BS 4573 and EN 50075 to be fitted to shavers and toothbrushes		N/A
ZC	ANNEX ZC (NORMATIVE) NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR CORRESPONDING EUROPEAN PUBLICATIONS		--
	A list of documents referred to in the text of this standard in such a way that some or all of their content constitutes requirements of this document		P
ZD	ANNEX ZD (INFORMATIVE) IEC and CENELEC CODE DESIGNATIONS FOR FLEXIBLE CORDS		--
	List of IEC and CENELEC code designations for flexible cords		P

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
ZE	ANNEX ZE (INFORMATIVE) SPECIFIC ADDITIONAL REQUIREMENTS FOR APPLIANCES AND MACHINES INTENDED FOR COMMERCIAL USE		--
7.1	Business name and full address of the manufacturer and, where applicable, his authorized representative.....:		N/A
	Model or type reference		N/A
	Serial number, if any		N/A
	Production year		N/A
	Designation of the appliance.....:		N/A
7.12	Instructions provided with the appliance so that the appliance can be used safely		N/A
	The instructions contain at least the following information:		--
	- the business name and full address of the manufacturer and, where applicable, his authorized representative		N/A
	- model or type reference of the appliance as marked on the appliance itself, except for the serial number		N/A
	- the designation of the appliance together with its explanation in case it is given by a combination of letters and/or numbers		N/A
	- the general description of the appliance, when needed due to the complexity of the appliance		N/A
	- specific precautions required during installation, operation, adjusting, user maintenance, cleaning, repairing or moving		N/A
	- when needed drawings, diagrams, descriptions and explanations necessary for the safe use and user maintenance of the appliance		N/A
	- the possible reasonably foreseeable misuse and, whenever relevant, a warning against the effects it may have on the safe use of the appliance		N/A
	The words "Original instructions" appear on the language version(s) verified by the manufacturer or by the authorized representative		N/A

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
	When a translation of the original instructions has been provided by a person introducing the appliance on the market; the meaning of the sentence "Translation of the original instructions" appear in the relevant instructions delivered with the appliance		N/A
	The instructions for maintenance/service to be done by specialized personnel, mandated by the manufacturer or the authorized representative may be supplied in only one Community language which the specialized personnel understand		N/A
	The instructions indicate the type and frequency of inspections and maintenance required for safe operation including the preventive maintenance measures		N/A
7.12.ZE1	If needed for specific appliances, the following information to be given:	--	
	- on use, transportation, assembly, dismantling when out of service, testing or foreseeable breakdowns, if these operations have consequences on stability of the appliance in order to avoid overturning, falling or uncontrolled movements of the appliance or of its component parts		N/A
	- on how to maintain adequate mechanical stability when in use, during transportation, assembly, dismantling, scrapping and any other action involving the appliance		N/A
	- on the protective measures to be taken by the user, including, where appropriate, the personal protective equipment to be provided		N/A
	- on the operating method to be followed in the event of accident or breakdown; if a blockage is likely to occur the operating method to safely unblock the appliance		N/A
	- on the specifications on the spare parts to be used, when these affect the health and safety of the operator		N/A
	- on airborne noise emissions, determined and declared in accordance with the relevant Part 2, which includes:	--	
	- the A-weighted emission sound pressure level at workstations, where this exceeds 70 dB(A)		N/A

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
	- where this level does not exceed 70 dB(A), this fact is indicated		N/A
	- the peak C-weighted instantaneous sound pressure value at workstations, where this exceeds 63 Pa (130 dB in relation to 20 µPa)		N/A
	- the A-weighted sound power level emitted by the machinery, where the A-weighted emission sound pressure level at workstations exceeds 80 dB(A)		N/A
7.12.ZE2	The instructions include a warning to disconnect the appliance from its power source during service and when replacing parts		N/A
	If the removal of the plug is foreseen, it is clearly indicated that the removal of the plug is such that an operator can check from any of the points to which he has access that the plug remains removed		N/A
	If this is not possible, due to the construction of the appliance or its installation, a disconnection with a locking system in the isolated position is provided		N/A
19.11.4.8	The appliance continues to operate, without causing any hazard to the user, from the same point in its operating cycle at which the voltage fluctuation occurred, or a manual operation is required to restart it		N/A
20.1	Appliances and their components and fittings have adequate mechanical stability during transportation, assembly, dismantling and any other action involving the appliance		N/A
20.2	Dangerous moving transmission parts safeguarded either by design or guards		N/A
	When guards are used, they are fixed guards, interlocking movable guards or protective devices		N/A
	Moving parts directly involved in the function of the appliance which cannot be made completely inaccessible fitted with:	--	
	- fixed guards or interlocking movable guards preventing access to those sections of the parts that are not used in the work, and		N/A
	- adjustable guards restricting access to those sections of the moving parts where access is necessary		N/A

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
	Interlocking movable guards used where frequent access is required		N/A
21.1	Appliances and their components and fittings have adequate mechanical strength and is constructed to withstand such rough handling that may be expected in normal use, during transportation, assembly, dismantling, scrapping and any other action involving the appliance		N/A
22.ZE.1	For appliances provided with a seat, the seat gives adequate stability		N/A
	The distance between the seat and the control devices capable of being adapted to the operator		N/A
22.ZE.2	For appliances provided with separate devices for the start and the stop functions, the stop function is unambiguously identifiable and does always override the start function		N/A
	For appliances provided with one device performing the start and the stop function, the stop function is unambiguously identifiable and does always override the start function		N/A
22.ZE.3	Appliances designed in such a way that incorrect mounting is avoided, if this can lead to an unsafe situation		N/A
	If this is not possible, information on the correct mounting is given directly on the part and/or the enclosure		N/A
22.ZE.4	Where the weight, size or shape prevents appliances from being moved manually, they are fitted with attachments for lifting gear, or		N/A
	so designed that they can be fitted with such attachments, or		N/A
	be shaped in such a way that standard lifting gear can easily be used		N/A
	Appliances to be moved manually are constructed or equipped so that they can be moved easily and safely		N/A
22.ZE.5	The fixing systems of fixed guards which prevent access to dangerous moving transmission parts only removable with the use of tools		N/A

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
	If such guards have to be removed by the user for routine cleaning or maintenance their fixing systems remain attached to the fixed guards or to the machine after removal		N/A
	Where possible, guards are incapable of remaining in place without their fixings		N/A
	This does not apply if, after removal of the screws, or if the component is incorrectly repositioned, the appliance becomes inoperative		N/A
	Movable guards are interlocked		N/A
	The interlocking devices prevent the start of hazardous appliance functions until the guards are fixed in their position, and give a stop command whenever they are no longer closed		N/A
	Where it is possible for an operator to reach the danger zone before the risk due to hazardous appliance functions has ceased, movable guards associated with a guard locking device in addition to an interlocking device that:	--	
	- prevents the start of hazardous appliance functions until the guard is closed and locked, and		N/A
	- keeps the guard closed and locked until the risk of injury from the hazardous appliance functions has ceased		N/A
	Interlocking movable guards remain attached to the appliance when open, and		N/A
	they are designed and constructed in such a way that they can be adjusted only by means of an intentional action		N/A
22.ZE.6	Interlocking movable guards designed in such a way that the absence or failure of one of their components prevents starting or stops the hazardous appliance functions		N/A
	The guard is opened to the extent needed to cause the interlocking to operate and is then closed, the number of operations being defined in the specific Part 2.....:		N/A
	After this test any defect that may be expected in normal use is applied to the interlock system, including interruption of the supply, only one defect being simulated at a time		N/A
	After these tests the interlock system is fit for further use		N/A

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
22.ZE.7	Adjustable guards restricting access to areas of the moving parts strictly necessary for the work are: - adjustable manually or automatically, depending on the type of work involved, and - readily adjustable without the use of tools		-- N/A N/A
22.ZE.8	In case of interruption, re-establishment after an interruption or fluctuation in whatever manner of the power supply, the appliance does not restart However, automatic restarting of the operation is allowed if the appliance may continue to operate, without causing any hazard to the user, from the same point in its operating cycle at which the voltage interruption or fluctuation occurred		N/A
22.ZE.9	Appliances fitted with means to isolate them from all energy sources Such isolators are clearly identified, and they are capable of being locked if reconnection endanger persons After the energy source is disconnected, it is possible to dissipate any energy remaining or stored in the circuits of the appliance without risk to persons		N/A N/A N/A N/A
ZF	ANNEX ZF (INFORMATIVE) CRITERIA APPLIED FOR THE ALLOCATION OF PRODUCTS COVERED BY STANDARDS IN THE EN 60335 SERIES UNDER LVD OR MD		
	List of standards under CENELEC/TC61 with the allocation under the LVD (Low Voltage Directive) or the MD (Machinery Directive):		N/A
ZG	ANNEX ZG (NORMATIVE) UV APPLIANCES		
	The following modifications to this standard apply to appliances having UV emitters		N/A
	This annex is not applicable to appliances covered by the scopes of IEC 60335-2-27, IEC 60335-2-59 or IEC 60335-2-109		N/A
7.12.ZG	The instructions for appliances incorporating UVC emitters include the substance of the following: WARNING — This appliance contains a UV emitter. Do not stare at the light source		N/A

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
32	For appliances incorporating UV emitters the manufacturer delivers a declaration providing evidence that the plastic material exposed to the radiation is UV resistant		N/A
ZH	ANNEX ZH (INFORMATIVE) Common plug and socket-outlet types in CENELEC countries		--
	In general, supply cords of single-phase appliances having a rated current not exceeding 16 A are fitted with a plug complying with the following standard sheets:		--
	- for class I appliances or class II appliances with functional earth, standard sheet EU2, EU3 or EU4		N/A
	- for class II appliances, standard sheet EU5, EU6 or EU7		P
	There are exemptions or differences in certain CENELEC countries		P
ZI	ANNEX ZI (INFORMATIVE) Information on the application of A11:2014 to EN 60335-1:2012 CENELEC CLC/TC 61(SEC)2096A		--
	Clarification of the application of parts 2 in conjunction with the 2002 or 2012 version of EN 60335-1		P
ZZA	ANNEX ZZA (INFORMATIVE) RELATIONSHIP BETWEEN THIS EUROPEAN STANDARD AND THE SAFETY OBJECTIVES OF DIRECTIVE 2014/35/EU [2014 OJ L96] AIMED TO BE COVERED		--
	This standard provides one means of conforming to safety objectives of Directive 2014/35/EU		P
	When cited in the Official Journal under that Directive, compliance with the normative clauses of this standard given in Table ZZA.1 confers a presumption of conformity with the safety objectives of that Directive and associated EFTA regulations		P
	Compliance with this Part 1 when used together with the relevant Part 2 provides one means of conformity with the safety objectives		P

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

IEC60335_2_14X ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
ZZB	ANNEX ZZB (INFORMATIVE) RELATIONSHIP BETWEEN THIS EUROPEAN STANDARD AND THE ESSENTIAL REQUIREMENTS OF DIRECTIVE 2006/42/EC AIMED TO BE COVERED		--
	This standard provides one means of conforming to essential requirements of EU Directive 2006/42/EC		N/A
	When cited in the Official Journal under that Directive, compliance with the normative clauses of this standard given in Table ZZB.1 confers a presumption of conformity with the essential requirements of that Directive and associated EFTA regulations		N/A
	Compliance with this Part 1 when used together with the relevant Part 2 provides one means of conformity with the essential health and safety requirements		N/A
	ANNEX EN 62233:2008 + AC:2008 EMF- ELECTROMAGNETICS FIELDS		--
	The tested product also complies with the requirements of EN 62233:2008		--
	Limit100%	Measured max. : 1,314%	P

Variations to EN 60335-1:2012/ A16:2023			
22.44	Modified: If the appliance is child-appealing and: — has a mass less than 4 kg; and — is mounted or normally intended for use at a height less than 850 mm, the following conditions shall be met:		N/A
Annex ZE	Specific additional requirements for appliances and machines intended for commercial use		N/A
22.ZE.5	Modified: The fixing systems of fixed guards which prevent access to hazardous moving transmission parts shall only be removable with the use of tools.		N/A

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict
22.ZE.10	Add: Noise reduction is an integral part of the design process and shall be achieved by particularly applying measures at source to control noise, see for example EN ISO 11688-1:2009.		N/A

IEC 60335-2-14					
Clause	Requirement + Test		Result - Remark		Verdict
10.1	TABLE: Power input deviation for mode SC-633EC				
Input deviation of/at:	P rated (W)	P measured (W)	P	Required P	Remark
230V, 50 Hz	2000	160,3	-91,9%	+15%	Egg beater function
230V, 50 Hz	2000	266,5	-86,6%	+15%	Beater function
230V, 50 Hz	2000	90,8	-95,4%	+15%	Kneader function
230V, 50 Hz	2000	359,8	-82,0%	+15%	Blender function
230V, 50 Hz	400	167,7	-58,0%	+15%	Mincer function
230V, 50 Hz	200	210,8	5,4%	+15%	Chopper function
230V, 50 Hz	200	185,3	-7,4%	+15%	Shredder function
230V, 50 Hz	200	196,7	-1,7%	+15%	Citrus-fruit squeezers function

Supplementary information: The most unfavourable test results were shown.

11.7	Table: normal operation					P
Test step	Load (ingredients)	quantity	Time of operation (on/off)	Number of operation	remark	
Model SC-633EC Test for blender function *11.8-7	Soaked carrots and water	2/5 soaked carrots and 3/5 water	On 2+1 minutes, Off 1 minute	10 cycles	Tested according to manual load	
* denoted the test at rated power load was done and the temperature rise of motor winding was found exceeding the limit thus alternative tests were carried out.						
The most unfavourable recipe in instruction were tested.						

11.8	TABLE: Heating test, thermocouple measurements for model SC-633EC				P
	Test voltage (V).....		254,4V		--
	Ambient (°C)		24,5 – 22,5		--
Thermocouple locations		Max. temperature rise measured, T (K)		Max. temperature rise limit, T (K)	
Power cord		39,9		50	
Internal wire to PCB		38,1		T80-25=55	
Power PCB		45,4		120	
Indicator PCB/ LCD PCB		37,3		120	
X2 capacitor		38,3		T85-25=60	

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict
Varistor	39,8	T85-25=60	
Relay	44,5	T85-25=60	
Speed switch	38,2	T85-25=60	
Control panel plastic (inner)/ Plastic cover indicator PCB (inner)	31,9	For clause 30.1	
Interlock switch for release button	44,6	T125-25=100	
Interlock switch for blender	43,6	T125-25=100	
Internal wire to motor	54,4	T105-25=80	
Tube of internal wire	48,8	Ref.	
Motor winding	59,5	115, class F	
Motor brush holder	57,5	For clause 30.1	
Motor protector	57,4	Ref.	
Y capacitor built-in motor	60,4	T125-25=100	
Clutch plastic	28,7	For clause 30.1	
Gear bracket for mincer, inner	6,6	For clause 30.1	
Enclosure plastic near motor, inner	48,2	For clause 30.1	
Enclosure top plastic, inner	25,2	For clause 30.1	
Bottom plastic	42,1	For clause 30.1	
Enclosure plastic surface	11,2	74	
Control surface	22,1	60	
Test floor	15,5	65	
Supplementary information: --			

11.8	TABLE: Heating test, resistance method for model SC-633EC					P
	Test voltage (V)			254,4V		—
	Ambient, t1 (°C).....			23,2		—
	Ambient, t2 (°C).....			24,5		
Temperature rise of winding		R1 ()	R2 ()	T (K)	Max. T (K)	Insulation class
winding of motor		1,72	2,17	65,7	115	155

13.2	TABLE: Leakage current					P
	Heating appliances: 1.15 x rated input (W) :			—		—
	Motor-operated and combined appliances: 1.06 x rated voltage (V) :			254,4V		—

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict
Leakage current between		I (mA)	Max. allowed I (mA)
L/N-Enclosure/ Switch knob		Max. 0,06	0,35peak
Supplementary information: Record maximum.			

13.3	TABLE: Electric strength	P
Test voltage applied between:	Test potential applied (V)	Breakdown / flashover (Yes/No)
Live parts and Enclosure/switch knob / control panel	3000	No
Internal wire and Enclosure/switch knob / control panel	1750	No
Live parts and motor body	1000	No
Supplementary information: --		

16.2	TABLE: Leakage current for model	P
Single phase appliances: 1.06 x rated voltage (V)	254,4V	—
Three phase appliances 1.06 x rated voltage divided by $\sqrt{3}$ (V).....	--	—
Leakage current between:	I (mA)	Max. allowed I (mA)
Live parts-Enclosure/ Switch knob	Max. 0,09	0,25
Supplementary information: Record maximum.		

16.3	TABLE: Electric strength	P
Test voltage applied between:	Test potential applied (V)	Breakdown / flashover (Yes/No)
Live parts and Enclosure/switch knob / control panel	3000	No
Internal wire and Enclosure/switch knob / control panel	1750	No
Live parts and motor body	1250	No
Supplementary information: --		

21.1	TABLE: Impact Resistance		P
Impacts per surface	Surface tested	Impact energy (Nm)	Comments
Enclosure	3	0,5J	P
Knob	3	0,5J	P
LCD	3	0,5J	P
Supplementary information: --			

IEC 60335-2-14					
Clause	Requirement + Test		Result - Remark		Verdict

24.1 TABLE: Components information					
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity1)
Plug	Zhongshan Guzhen Hongli Cable & Appliance Factory	HL-9	AC 250 V, 16 A	DIN VDE 0620-2-1 IEC 60884-1	VDE 40013791
Alt.	Zhongshan Guzhen Hongli Cable & Appliance Factory	HL-12	AC 250 V, 16 A	DIN VDE 0620-2-1 IEC 60884-1	VDE 40018855
Alt.	Sheng Yi Electrical Factory	SY-24	AC 250 V, 16 A	DIN VDE 0620-2-1 IEC 60884-1	VDE 40029643
Alt.	SHUN DE TIAN JU ELECTRICAL	TJ-012	AC 250 V, 16 A	DIN VDE 0620-2-1 IEC 60884-1	VDE 40014943
Alt.	Hong Shan Chuan Industry (Hong Kong) Limited	HSC-404	AC 250 V, 16 A	DIN VDE 0620-2-1 IEC 60884-1	VDE 40020294
Alt.	Toong Yean Plastic Ind.Co., Ltd	TY-019	AC 250 V, 16 A	DIN VDE 0620-2-1 IEC 60884-1	VDE 40002153
Alt.	Jiang Men Jia Chuan Electric & Cable Co., Ltd	JC-002	AC 250 V, 16 A	DIN VDE 0620-2-1 IEC 60884-1	VDE 40039129
Alt.	Zhongshan Jurui Electrical Appliance Factory	JR-008	AC 250 V, 16 A	DIN VDE 0620-2-1 IEC 60884-1	VDE 40046743
Alt.	Foshan Shunde Yiben Electric Co., Ltd	YB-816	AC 250 V, 16 A	DIN VDE 0620-2-1 IEC 60884-1	VDE 40055947
Israel plug	Zhongshan Guzhen Hongli Cable & Appliance Factory	HL-36	AC 250 V, 16 A	Israel No.32 Part1.1	License No. 41714
BS plug	Foshan Anden Industry Co., Ltd.	DL-203	AC 250 V, 13A (fitted with approved fuse-link 10 A, 13 A)	BS 1363-1 IEC 60884-1	KM 69826
Alt.	Dongguan City Sheng Yi Electrical Co., Ltd.	SY-88	AC 250 V, 13A (fitted with approved fuse-link 10 A, 13 A)	BS 1363-1 IEC 60884-1	ASTA 1145

IEC 60335-2-14					
Clause	Requirement + Test	Result - Remark		Verdict	
Alt.	Zhongshan Guzhen Hongli Cable & Appliance Factory	HL-17	AC 250 V, 13A (fitted with approved fuse-link 10 A, 13 A)	BS 1363-1 IEC 60884-1	ASTA 882
Alt.	Foshan Shunde beijiao Qinglang Electrical Factory	QL-07	AC 250 V, 13A (fitted with approved fuse-link 10 A, 13 A)	BS 1363-1 IEC 60884-1	Licence No.1357
Alt	Dongguan Toongyeen Plastic Ind. Co., Ltd	TY-998	AC 250 V, 13A (fitted with approved fuse-link 10 A, 13 A)	BS 1363-1 IEC 60884-1	KM 535718
Alt	Kaibo Wire & Cable Co., Ltd	KB-388	AC 250 V, 13A (fitted with approved fuse-link 10 A, 13 A)	BS 1363-1 IEC 60884-1	Licence No.1132
Alt	ShenZhen Zhuo Xing Electric Appliances Co., Ltd	9518	AC 250 V, 13A (fitted with approved fuse-link 10 A, 13 A)	BS 1363-1 IEC 60884-1	ASTA 1300
Power cord	Zhongshan Guzhen Hongli Cable & Appliance Factory	H05VVH2-F, H05VV-F	2 x 0,75 mm ² (Length < 2m)	DIN EN 50525-2-11; IEC 60227	VDE 139259
Alt.	Foshan Shunde beijiao Qinglang Electrical Factory	H05VVH2-F, H05VV-F	2 x 0,75 mm ² (Length < 2m)	DIN EN 50525-2-11; IEC 60227	VDE 40044855
Alt.	SHUN DE TIAN JU ELECTRICAL	H05VVH2-F H05VV-F	2 x 0,75 mm ² (Length < 2m)	DIN EN 50525-2-11; IEC 60227	VDE 40007540
Alt.	Sheng Yi Electrical Factory	H05VVH2-F H05VV-F	2 x 0,75 mm ² (Length < 2m)	DIN EN 50525-2-11; IEC 60227	VDE 40023272
Alt.	Zhongshan Guzhen Hongli Cable & Appliance Factory	H05RN-F H05RR-F	2 x 0,75 mm ² (Length < 2m)	DIN EN 50525-2-11; IEC 60227	VDE 40015521
Alt.	Hong Shan Chuan Industry (Shen Zhen) Co., Ltd	H05VVH2-F H05VV-F	2 x 0,75 mm ² (Length < 2m)	DIN EN 50525-2-11; IEC 60227	VDE 40037206
Alt.	Toong Yean Plastic Ind.Co., Ltd	H05VVH2-F	2 x 0,75 mm ² (Length < 2m)	DIN EN 50525-2-11 IEC 60227	VDE 40024356
Alt	Foshan Shunde Beijiao Qinglang Electrical Factory	H05VVH2-F H05VV-F	2 x 0,75 mm ² (Length < 2m)	DIN EN 50525-2-11 IEC 60227	VDE 40044855

IEC 60335-2-14					
Clause	Requirement + Test	Result - Remark		Verdict	
Alt	Jiang Men Jia Chuan Electric & Cable Co., Ltd	H05VVH2-F H05VV-F	2 x 0,75 mm ² (Length < 2m)	DIN EN 50525-2-11 IEC 60227	VDE 40030795
Alt	Kaibo Wire & Cable Co., Ltd	H05VVH2-F H05VV-F	2 x 0,75 mm ² (Length < 2m)	DIN EN 50525-2-11 IEC 60227	VDE 40034139
Alt	Zhongshan Jurui Electrical Appliance Factory	H05VVH2-F H05VV-F	2 x 0,75 mm ² (Length < 2m)	DIN EN 50525-2-11 IEC 60227	VDE 40046054
Alt	Foshan Shunde Yiben Electric Co., Ltd	H05VVH2-F H05VV-F	2 x 0,75 mm ² (Length < 2m)	DIN EN 50525-2-11 IEC 60227	VDE 40054851
Interlock switch (for Blender)	ZHEJIANG GUANBAO ELECTRONIC CO LTD	XCK-010	AC 250 V, 16 (4) A, T125, 5E4, GWT850	EN 61058-1	TUV R 50186371
Alt.	Zhe Jiang Bei Er Jia Electronic Co., Ltd.	KW01	AC 250 V, 16 (4) A, T125, 5E4, GWT750	EN 61058-1	VDE 40025188
Interlock switch	Zhe Jiang Bei Er Jia Electronic Co., Ltd.	KW02	AC 250 V, 10 (6) A, T125, 5E4, GWT850	EN 61058-1	ENECA-01294
Alt.	ZHEJIANG GUANBAO ELECTRONIC CO LTD	XCK-009	AC 250 V, 6 (2)A / 10(3)A, T125, 1E4, GWT850	EN 61058-1	TUV R 50581216
Power switch (SC-623, SC-623A, SC-623B, SC-623C, SC-667, SC-667A, SC-667B, SC-667C, SC-617, SC-617A, SC-617B, SC-617C, SC-633, SC-633A, SC-633B, SC-633C, SC-603, SC-603A, SC-603B, SC-603C)	Zhe Jiang Bei Er Jia Electronic Co., Ltd.	KW02	AC 250 V, 10 (6) A, T125, 5E4, GWT850	EN 61058-1	ENECA-01294
Alt.	ZHEJIANG GUANBAO ELECTRONIC CO LTD	XCK-009	AC 250 V, 6 (2)A / 10(3)A, T125, 1E4 GWT850	EN 61058-1	TUV R 50581216

IEC 60335-2-14					
Clause	Requirement + Test			Result - Remark	Verdict
Speed switch build in the PCB	ZHEJIANG DA WEI ELENTRONIC CO., LTD	DXS01	AC 250V, 6 A, T85, 1E4	EN 61058-1	TUV R 50224041
Alt.	Sheng Ze Pu Switch Co., Ltd.	RT01 (series)	AC 250V, 12 (3) A, T125, 1E4	EN 61058-1	ENECL-02190
Alt.	Zhejiang Guanbao Electronic Co., Ltd.	RS5 (series)	AC 250V, 6(3) A, T105; 1E4	EN 61058-1	TUV R 50477068
Motor	DONG GUAN BEI HANG MOTOR CO. LTD	9840	AC 220 – 240 V, 50 Hz, 2000 W, Class F	EN 60335-1 EN 60335-2-14	Test with appliance
Motor winding	ZHEJIANG HONGBO TECHNOLOGY CO LTD	QA-2/155	Class 155	EN 60335-1 EN 60335-2-14	Tested with appliance UL E221719
Y capacitor	Jyh Hsu (Jec) Electronics Ltd.	JY	AC 300 V, Y2, 4700pF, T125	EN 60384-14	VDE 40038643
Alt.	Jyh Chung Electronic Co., Ltd.	JY	AC 300 V, Y2, 4700pF, T125	EN 60384-14	VDE 123326
Alt.	Hsuan Tai Electronic Co., Ltd.	CY	AC 400 V, 4700pF, 40/125/21	EN 60384-14	VDE 40008912
Alt.	Shenzhen Song Te Electronics Co., Ltd.	CT7	AC 400 V, 4700pF, 40/125/21	EN 60384-14	VDE 40044449
Thermal motor protectors	Changzhou Ainuo Electronics Technical Co., Ltd.	17AM/17AMT (PTC) voltage maintained non-self-resetting	AC 250V, Tf: 135°C voltage maintained non-self-resetting	EN 60730-2-2 EN 60730-1	VDE 40030705
Alt.	Suzhou Industrial Park Kain Electronic Sci. & Tech. Co., Ltd	17AM-KP 135A8 (PTC) voltage maintained non-self-resetting	AC 250V, Tf: 135°C voltage maintained non-self-resetting	EN 60730-2-2 EN 60730-1	VDE 40015854
Alt.	Dongguan Jia Di Electronic Technology Co., Ltd	17AMH 034A5 (PTC) voltage maintained non-self-resetting	AC 250V, Tf: 135°C voltage maintained non-self-resetting	EN 60730-2-2 EN 60730-1	TUV No. B104459 0001 Rev.00

IEC 60335-2-14					
Clause	Requirement + Test	Result - Remark		Verdict	
Alt.	YANGZHOU ZHIBAO TECHNOLOGY CO., LTD	17AM (PTC) voltage maintained non-self-resetting	AC 277V, Tf: 135°C voltage maintained non-self-resetting	EN 60730-2-2 EN 60730-1	TUV R 50461487
Alt	Suzhou Industrial Park Kain Electronic Sci. & Tech. Co., Ltd	17AM-KP 135A1 (PTC) voltage maintained non-self-resetting	AC 250V Tf: 135°C voltage maintained non-self-resetting	EN 60730-2-2 EN 60730-1	VDE 40045846
X2 capacitor	Tenta Electric Industrial Co., Ltd.	MEX, TENTA, MKP	AC 275 V, X2, 0,22 µF, T100	EN 60384-14	VDE 119119
Alt.	Foshan Shunde Beijiao Hua Da Electric Industrial Co., Ltd.	HD MKP, Series / HD series	AC 275 V, X2, 0,22 µF, T105 / T85	EN 60384-14	VDE 40027182
Alt.	Dain Electronic Co., Ltd.	MPX, MEX, NPX	AC 275 V, X2, 0,22 µF, T110	EN 60384-14	VDE 40018798
Alt.	Guangdong Fongming Electronic Tech Co., Ltd.	MKP-X2	AC 275 V, X2, 0,22 µF, T105	EN 60384-14	VDE 40025702
Alt.	Foshan Shunde Chuang Ge Electronic Industrial Co., Ltd.	MKP-X2	AC 275 V, X2, 0,22 µF, T105	EN 60384-14	VDE 40008922
Alt.	Dongguan Weiqing Electronic Co., Ltd.	MPX(WQC)	AC 275 V, X2, 0,22 µF, T110	EN 60384-14	VDE 40040406
Varistor	Guangxi New Future informaton Industry Co., Ltd.	10D471K	AC 470 V, T85	IEC 61051-1	VDE 40030322
Alt.	Brightking (Shenzhen) Co., Ltd	471KD10	AC 470 V, T85	IEC 61051-1	VDE 40027827
Alt.	Cerglass MFG Inc	10D471K	AC 470 V, T85	IEC 61051-1	VDE 40028836
Alt.	Guangdong Foshan Kestar Electronic Co., Ltd	MYG10-471	AC 470 V, T85	IEC 61051-1	VDE 40005616
Alt.	Centra Science Corp.,	CNR 10D471K	AC 470 V, T85	IEC 61051-1	VDE 40008220

IEC 60335-2-14					
Clause	Requirement + Test	Result - Remark		Verdict	
Fuse link	Dongguan Better Electronics Technology Co., Ltd.	522	AC 250 V, 10 A	EN 60127-1 EN 60127-2	VDE 40019022
Alt.	XC Electronics (Shen Zhen) Corp. Ltd.	5T T10L 250V	AC 250 V, 10 A	EN 60127-1 EN 60127-2	VDE 40009610
Alt.	Shenzhen Lanson Electronics Co., Ltd.	5K T10AL250V	AC 250 V, 10 A	EN 60127-1 EN 60127-2	VDE 40010746
Relay for SC-623E, SC-623EA, SC-623EB, SC-623EC, SC-667E, SC-667EA, SC-667EB, SC-667EC, SC-617E, SC-617EA, SC-617EB, SC-617EC, SC-633E, SC-633EA, SC-633EB, SC-633EC, SC-603E, SC-603EA, SC-603EB, SC-603EC	Zhongshan Xiaolan GuoKE Relay Factory	GK7520-5VDC-A	AC 250V, 16A, DC 5V, 5E4, T85	EN 61810-1 EN 60730-1	TUV R 50390923 0001
Alt.	Wangrong Electronics (Shenzhen) Co., Ltd	RE-105DM1 (WRG)	AC 250V, 15 / 16A, DC 5 V, 10E4, T105	EN 61810-1 EN 60730-1	TUV R50250866
Alt.	SHENZHEN GOLDEN ELECTRICAL APPLIANCES CO., LTD	GN-1A-5L	AC 250V, 16A, DC 5V, 5E4, T105	EN 61810-1 EN 60730-1	TUV R 50210280 0001
Alt.	Shenzhen Zhuo Hong Electronics Co., Ltd	Z3F-05-1AS	AC 250V 16A / AC 277V,10A, DC 5V, 2E4 T105	EN 61810-1 EN 60730-1	TUV R 50503935
PCB	Kingboard Laminates Holdings Ltd	KB-3151C KB-5051 KB-3151S KB-6150	94V-0, 130 °C	EN 60335-1 EN 60335-2-14	Test with appliance UL E123995
Close-end connector	HEAVY POWER CO LTD	CE1, CE2	300V,150 °C	EN 60335-1 EN 60335-2-14	Tested with appliance UL E113650

IEC 60335-2-14					
Clause	Requirement + Test		Result - Remark		Verdict
Terminal tube	MIDGOLD SILICONE CO., LTD	GF(E)-851	V-0	EN 60335-1 EN 60335-2-14	Tested with appliance UL E312893
Internal wire for motor and power PCB	SHENZHEN DONG JU WIRE & CABLE CO LTD	1015	600 V, 105 °C, 18-22 AWG,	EN 60335-1 EN 60335-2-14	Test with appliance UL E189674
Alt.	SHUNDE YONGGAO ELECTRIC APPLIANCE CO LTD	1015	600 V, 105 °C, 18-22 AWG,	EN 60335-1 EN 60335-2-14	Test with appliance UL E178844
Alt.	QIFURUI ELECTRONICS CO	1015	600 V, 105 °C, 18-22 AWG,	EN 60335-1 EN 60335-2-14	Test with appliance UL E211048
Alt.	SHUNDE JIANJIN WIRE CO LTD	1015	600 V, 105 °C, 18-22 AWG,	EN 60335-1 EN 60335-2-14	Test with appliance UL E464548
Alt.	GUANGDONG YONG ROI CABLE TECHNOLOGY CO LTD	1015	600 V, 105 °C, 18-22 AWG,	EN 60335-1 EN 60335-2-14	Test with appliance UL E204893
Alt.	ZHANJIANG ANJIA ELECTRONICS INDUSTRY CO LTD.	1015	600 V, 105 °C, 18-22 AWG,	EN 60335-1 EN 60335-2-14	Tested with appliance UL E350598
Alt.	ZHONGSHAN HE YI ELECTRICAL APPLIANCES FACTORY	1015	600 V, 105 °C, 18-22 AWG,	EN 60335-1 EN 60335-2-14	Tested with appliance UL E313976
Alt.	ZHONGSHAN FUYUANTONG WIRE & CABLE CO., LTD.	1015	600 V, 105 °C, 18-22 AWG,	EN 60335-1 EN 60335-2-14	Test with appliance UL E241989
Alt.	Nizing Electronic Co., Ltd.	3122	300 V, 200 °C, 18-22AWG	EN 60335-1 EN 60335-2-14	Tested with appliance UL E215834
Alt.	Shenzhen QIFURUI Electronics Co., Ltd.	3122	300 V, 200 °C, 18-22AWG	EN 60335-1 EN 60335-2-14	Tested with appliance UL E211048

IEC 60335-2-14					
Clause	Requirement + Test	Result - Remark		Verdict	
Alt.	ZHANJIANG ANJIA ELECTRONICS INDUSTRY CO LTD.	3122	300 V, 200 °C, 18-22AWG	EN 60335-1 EN 60335-2-14	Tested with appliance UL E350598
Alt.	GUANGDONG YONG ROI CABLE TECHNOLOGY CO LTD	3122	300 V, 200 °C, 18-22AWG	EN 60335-1 EN 60335-2-14	Test with appliance UL E204893
Alt.	SHUNDE JIANJIN WIRE CO LTD	3122	300 V, 200 °C, 18-22AWG	EN 60335-1 EN 60335-2-14	Test with appliance UL E464548
Alt.	FOSHAN CITY ZHEN GUAN	1332	300V, 200 °C 20-28AWG	EN 60335-1 EN 60335-2-14	Test with appliance UL E307535
Alt.	Zhongshan City Dingxiang Electrical Co., Ltd	1332	300V 200 °C 20-28AWG	EN 60335-1 EN 60335-2-14	Test with appliance UL E354487
Alt.	GUANGDONG YONG ROI CABLE TECHNOLOGY CO LTD	1332	300V 200 °C 20-28AWG	EN 60335-1 EN 60335-2-14	Test with appliance UL E204893
Alt.	ZHONGSHAN YIXIN ELECTRICAL CO LTD	1332	300V 200 °C 20-28AWG	EN 60335-1 EN 60335-2-14	Test with appliance UL E351034
Alt.	FOSHAN CITY ZHENG GUAN	1332	300V, 200 °C 20-28AWG	EN 60335-1 EN 60335-2-14	Test with appliance UL E307535
Alt.	DONGGUAN WENCHANG ELECTRONIC PRODUCTS CO., LTD	2651	300 V, 105 °C, 18-28 AWG	EN 60335-1 EN 60335-2-14	Tested with appliance UL E214500
Alt.	SHENZHEN JTK WIRE&CABLE CO LTD	2651	300 V, 105 °C, 18-28 AWG	EN 60335-1 EN 60335-2-14	Tested with appliance UL E359216

IEC 60335-2-14					
Clause	Requirement + Test	Result - Remark		Verdict	
Alt.	DONG GUAN SHENG PAI ELECTRIC WIRE & CABLE CO LTD	2651	300 V, 105 °C, 18-28 AWG	EN 60335-1 EN 60335-2-14	Tested with appliance UL E347603
Internal wire for control panel PCB (SC-623E, SC-623EA, SC-623EB, SC-623EC, SC-667E, SC-667EA, SC-667EB, SC-667EC, SC-617E, SC-617EA, SC-617EB, SC-617EC, SC-633E, SC-633EA, SC-633EB, SC-633EC, SC-603E, SC-603EA, SC-603EB, SC-603EC)	QIFURUI ELECTRONICS Co., Ltd	2468	300V, 80 °C, 18-26AWG	EN 60335-1 EN 60335-2-14	Test with appliance UL E211048
Alt.	ZHONGSHAN YUXUAN ELECTRONICS CO., LTD	2468	300V, 80 °C, 18-26AWG	EN 60335-1 EN 60335-2-14	Test with appliance UL E316286
Alt	Zhongshan City Boyu Wire CO., Ltd	2468	300V, 80 °C, 18-26AWG	EN 60335-1 EN 60335-2-14	Test with appliance UL E314089
Alt.	Guangdong Xinlong Enterprise Co	2468	300V, 80 °C, 18-26AWG	EN 60335-1 EN 60335-2-14	Test with appliance UL E207567
Alt.	Shenzhen Dong JU Wire & Cable Co., Ltd	2468	300V, 80 °C, 18-26AWG	EN 60335-1 EN 60335-2-14	Test with appliance UL E189674
Alt.	Guangdong YongRoi Cable Technology Co., Ltd	2468	300V, 80 °C, 18-26AWG	EN 60335-1 EN 60335-2-14	Test with appliance UL E204893

IEC 60335-2-14					
Clause	Requirement + Test		Result - Remark		Verdict
Alt.	Zhong Shan Shen Wan Fu Yuan Tong Wire & Cable	2468	300V, 80 °C, 18-26AWG	EN 60335-1 EN 60335-2-14	Test with appliance UL E241989
Heat shrinkable tube	DONGGUAN SALIPT CO LTD	SALIPT S-901-600	VW-1, 600V, 125 °C	EN 60335-1 EN 60335-2-14	Test with appliance UL E209436
Alt.	DONGGUAN QUANTAI INDUSTRIAL CO LTD	T-2	VW-1, 600V, 125 °C	EN 60335-1 EN 60335-2-14	Test with appliance UL E227336
Plastic enclosure	Guangdong Shinechef Electric Appliance Co., Ltd.	--	ABS	EN 60335-1 EN 60335-2-14	Tested with appliance
Supplementary information:					
1) Provided evidence ensures the agreed level of compliance. See OD-CB2039. 2) License available upon request for all the certified components.					

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	
500	0,2* / 0,5 / 0,8**	--	--	--	--	N/A	
800	0,2* / 0,5 / 0,8**	--	--	--	--	N/A	
1 500	0,5 / 0,8** / 1,0***	--	--	--	--	N/A	
2 500	1,5 / 2,0***	4,4	6,2	--	4,2	P	
4 000	3,0 / 3,5***	--	--	9,1	--	P	
6 000	5,5 / 6,0***	--	--	--	--	N/A	
8 000	8,0 / 8,5***	--	--	--	--	N/A	
10 000	11,0 / 11,5***	--	--	--	--	N/A	

IEC 60335-2-14				
Clause	Requirement + Test	Result - Remark		Verdict

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 insulation: Live part to metal part of motor;

Supplementary insulation: Internal wire to accessible plastic enclosure;

Reinforced insulation: Live parts to accessible plastic enclosure.

Functional insulation: L to N for PCB.

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

IEC 60335-2-14										
Clause	Requirement + Test							Result - Remark		Verdict
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5	—	—	N/A
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5	—	—	N/A
>800 and ≤1000	4,8	8,0	11,2	16,0	20,0	22,0	25,0	—	—	N/A
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	—	—	N/A
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	—	—	N/A
>1000 and ≤1250	6,4	10,0	14,2	20,0	25,0	28,0	32,0	—	—	N/A
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	—	—	N/A
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	—	—	N/A
>1250 and ≤1600	8,4	12,6	18,0	25,0	32,0	36,0	40,0	—	—	N/A
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0	—	—	N/A
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0	—	—	N/A
>1600 and ≤2000	11,2	16,0	22,0	32,0	40,0	44,0	50,0	—	—	N/A
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0	—	—	N/A
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0	—	—	N/A
>2000 and ≤2500	15,0	20,0	28,0	40,0	50,0	56,0	64,0	—	—	N/A
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0	—	—	N/A
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0	—	—	N/A
>2500 and ≤3200	20,0	25,0	36,0	50,0	64,0	72,0	80,0	—	—	N/A
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0	—	—	N/A
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0	—	—	N/A
>3200 and ≤4000	25,0	32,0	44,0	64,0	80,0	90,0	100,0	—	—	N/A
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0	—	—	N/A
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0	—	—	N/A
>4000 and ≤5000	32,0	40,0	56,0	80,0	100,0	112,0	126,0	—	—	N/A
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0	—	—	N/A
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0	—	—	N/A
>5000 and ≤6300	40,0	50,0	72,0	100,0	126,0	142,0	160,0	—	—	N/A
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0	—	—	N/A
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0	—	—	N/A
>6300 and ≤8000	50,0	64,0	90,0	126,0	160,0	180,0	200,0	—	—	N/A
>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

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Clause	Requirement + Test							Result - Remark			Verdict
>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											
Basic insulation: Live part to metal part of motor;											
Supplementary insulation: Internal wire to accessible plastic enclosure;											
Reinforced insulation: Live parts to accessible plastic enclosure.											

29.2	TABLE: Creepage distances, functional insulation								P
Working voltage (V):	Creepage distance (mm) Pollution degree								
	1	2			3				
		Material group			Material group				
		I	II	IIIa/IIIb	I	II	IIIa/IIIb*	Verdict / Remark	
≤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/4,2 mm L and N in PCB	
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	

IEC 60335-2-14								
Clause	Requirement + Test					Result - Remark		Verdict
>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								

29.3	TABLE: Distance Through Insulation Measurements				P
Distance through insulation di at/of:	U r.m.s. (V)	Test voltage (V)	Required di (mm)	di (mm)	
Knob / plastic enclosure	240V	1750V	1,0	1,4	
Supplementary information: --					

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			
Interlock switch	See table 24.1	--	--	--	0s	0s	--	P	
Power switch	See table 24.1	--	--	--	0s	0s	--	P	
Speed switch build in the PCB	See table 24.1	--	--	--	0s	0s	--	P	
Relay	See table 24.1	--	--	--	0s	0s	--	P	
Object/ Part No./ Material	Manufacturer / trademark	Glow-wire flammability index (GWFI), °C				GW ignition temp. (GWIT), °C		Verdict	
		550	650	750	850	675	775		
The test specimen passed the glow wire test (GWT) with no ignition [(te – ti) 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)?								No	
Ignition of the specified layer placed underneath the test specimen (Yes/No)..... :								No	

IEC 60335-2-14			
Clause	Requirement + Test	Result - Remark	Verdict

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

Photo document

Overall view of model SC-633EC:



Overall view of model SC-633C:



Photo document

Overall view of model SC-603EC:



Photo document

Overall view of model SC-603C:

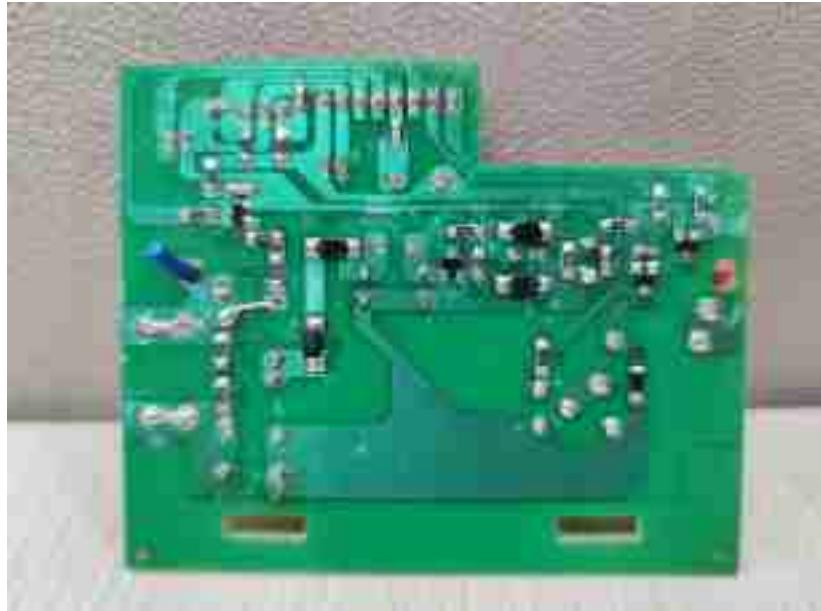


Main PCB for model SC-633EC and SC-603EC:



Photo document

Main PCB for model SC-633EC and SC-603EC:



Control PCB for model SC-633EC and SC-603EC:



Photo document

Control PCB for model SC-633EC and SC-603EC:



Control PCB for model SC-633EC and SC-603EC:



(End of the report)