Test Report issued under the responsibility of:

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

Report Number. ..... :	EFSH15030095-IE-01-L01-A6
Date of issue ..... :	2015-03-16 Amendment 6: 2022-08-23
Total number of pages ..... :	32 pages
Name of Testing Laboratory preparing the Report ..... :	Eurofins Product Testing Service (Shanghai) Co., Ltd.
Applicant's name ..... :	Cixi Tianma Electrical Appliance Co., Ltd.
Address ..... :	No. 483 Zhenxi Road, Zhouxiang Town, Cixi City, Ningbo, 315324, P.R.C
Test specification:	
Standard ..... :	☒ EN 60335-2-9:2003 + A1:2004 + A2:2006 + A12:2007 + A13:2010 ☒ EN 60335-1: 2012 + A11:2014 + A13:2017 + A1:2019 + A14:2019 + A2:2019 + A15:2021 ☒ EN 62233:2008
Test procedure ..... :	CE-LVD
Non-standard test method ..... :	N/A
Test Report Form No. ..... :	IEC60335_2_9Q
Test Report Form(s) Originator .... :	LCIE
Master TRF ..... :	Dated 2019-09-24

This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

General disclaimer:

The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.

Test item description ..... :	Toaster
Trade Mark(s)..... :	/
Original Product/Equipment Manufacturer ..... :	Cixi Tianma Electrical Appliance Co., Ltd.
Branding Manufacturer(s)..... :	Cixi Tianma Electrical Appliance Co., Ltd.
Model/Type reference ..... :	TM-2001, TM-2001J, TM-2001F, TM-2001FJ, TM-2001T, TM-2001JT, TM-2001FT, TM-2001FJT, TM-2005, TM-2005J, TM-2005F, TM-2005FJ, TM-2005T, TM-2005JT, TM-2005FT, TM-2005FJT, TM-2006, TM-2006J, TM-2006F, TM-2006FJ, TM-2006T, TM-2006JT, TM-2006FT, TM-2006FJT, TM-2009F, TM-2009FJ, TM-2015T, TM-2016T, TM-2019, TM-2019T, TM-2019TJ, TM-2020, TM-2020T, TM-2020TJ, TM-2010, TM-2010P, TM-2010J, TM-2010F, TM-2011, TM-2011P, TM-2011J, TM-2011F, TM-2006M, TM-2006MJ, TM-2006P, TM-2017T, **TM-2019B, TM-2020B, TM-2019J, TM-2020J, TM-2019BJ, TM-2020BJ**
Ratings ..... :	220-240V~, 50/60Hz, Class I for all models TM-2001, TM-2001J, TM-2001F, TM-2001FJ, TM-2001T, TM-2001JT, TM-2001FT, TM-2001FJT: 600-700W; TM-2005, TM-2005J, TM-2005F, TM-2005FJ, TM-2005T, TM-2005JT, TM-2005FT, TM-2005FJT, TM-2006, TM-2006J, TM-2006F, TM-2006FJ, TM-2006T, TM-2006JT, TM-2006FT, TM-2006FJT, TM-2010, TM-2010P, TM-2010J, TM-2010F, TM-2011, TM-2011P, TM-2011J, TM-2011F, TM-2006M, TM-2006MJ, TM-2006P: 700-800W; TM-2009F, TM-2009FJ: 1100-1300W; TM-2015T, TM-2019, TM-2019T, TM-2019TJ, TM-2020, TM-2020T, TM-2020TJ, TM-2017T, **TM-2019B, TM-2020B, TM-2019J, TM-2020J, TM-2019BJ, TM-2020BJ**: 650-750W; TM-2016T: 1280-1480W

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):			
☒	**Testing Laboratory:**	Eurofins Product Testing Service (Shanghai) Co., Ltd.	
Testing location/ address .....:		Building 18, No.2168 Chenhang Highway, Minhang District, Shanghai, P.R China	
Tested by (name, function, signature) .....:		Shin Xin (Project Engineer)	
Approved by (name, function, signature)...:		Ken Tao (Reviewer)	
☐	**Testing procedure: CTF Stage 1:**	N/A	
Testing location/ address .....:		N/A	
Tested by (name, function, signature) .....:		N/A	
Approved by (name, function, signature)...:		N/A	
☐	**Testing procedure: CTF Stage 2:**	N/A	
Testing location/ address .....:		N/A	
Tested by (name + signature) .....:		N/A	
Witnessed by (name, function, signature) .:		N/A	
Approved by (name, function, signature)...:		N/A	
☐	**Testing procedure: CTF Stage 3:**	N/A	
☐	**Testing procedure: CTF Stage 4:**	N/A	
Testing location/ address .....:		N/A	
Tested by (name, function, signature) .....:		N/A	
Witnessed by (name, function, signature) .:		N/A	
Approved by (name, function, signature)...:		N/A	
Supervised by (name, function, signature) :		N/A	

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

Photo document: 1 pages (Incorporated in the main report)

ATTACHMENT TO TEST REPORT IEC 60335-1(EN 60335-1:2012/A15:2021): 9 pages (Incorporated in the main report)

Constructional data form(CDF): 7 pages (separate file)

Summary of testing:

From the result of our inspection and tests on the submitted samples, we conclude they comply with the requirements of the standards.

Tests performed (name of test and test clause):	**Testing location:**
☒Cl.8 Protection against access to live parts ☒Cl.11 Heating ☒Cl.22 Construction	Eurofins Product Testing Service (Shanghai) Co., Ltd. Building 18, No.2168 Chenhang Highway, Minhang District, Shanghai, P.R China

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

European Group Differences and Germany.

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

(may be required by the product standard or client)

☐ **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**

(Note: When IEC or ISO standard requires a statement concerning the uncertainty of the measurement systems used for tests, this should be reported above. The informative text in parenthesis should be delete in both cases after selecting the applicable option)

Copy of marking plate:

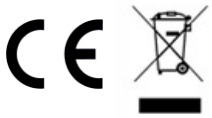
(Representative, may differ with the model No. / electric ratings)

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.

Toaster

TM-2019BJ

220-240V~, 50/60Hz, 600-750W, Class I



Cixi Tianma Electrical Appliance Co., Ltd.
No. 483 Zhenxi Road, Zhouxiang Town, Cixi City, Ningbo, 315324, P.R. China
Imported by:
(Full Name of the EU importer)
(Full EU Address of the importer)
Series number: xxxx – xxxx

Test item particulars .....:	Toaster
Classification of installation and use.....:	Portable appliance for household and indoor use
Supply Connection .....:	Fixed power cord, type Y
.....:	
Possible test case verdicts:	
- test case does not apply to the test object ..... :	N/A
- test object does meet the requirement ..... :	P (Pass)
- test object does not meet the requirement ..... :	F (Fail)
Testing..... :	
Date of receipt of test item ..... :	2022-07-25
Date (s) of performance of tests ..... :	2022-07-25 to 2022-07-25

General remarks:

"(See Enclosure #)" refers to additional information appended to the report.
"(See appended table)" refers to a table appended to the report.
The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.
Throughout this report a ☒ comma / ☐ point is used as the decimal separator.
Determination of the test result includes consideration of measurement uncertainty from the test equipment and methods.

Manufacturer's Declaration per sub-clause 4.2.5 of IECEE 02:

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.....:	☐ **Yes** ☒ **Not applicable**

When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies)..... :	Cixi Tianma Electrical Appliance Co., Ltd. No. 483 Zhenxi Road, Zhouxiang Town, Cixi City, Ningbo, 315324, P.R.C

General product information:

The appliances covered by this report are toasters for household and indoor use only.

The detail differences are as below:

Model	Type of shelf	Type of PCB	Type of bread supportor
TM-2001	Movable type	Type A1	No bread supportor
TM-2001J			Type A
TM-2001F	Fixed type		No bread supportor
TM-2001FJ			Type A
TM-2001T	Movable type	Type B1	No bread supportor
TM-2001JT			Type A
TM-2001FT	Fixed type		No bread supportor
TM-2001FJT			Type A
TM-2005	Movable type	Type A2	No bread supportor
TM-2005J			Type A
TM-2005F	Fixed type		No bread supportor
TM-2005FJ			Type A
TM-2005T	Movable type	Type B2	No bread supportor
TM-2005JT			Type A
TM-2005FT	Fixed type		No bread supportor
TM-2005FJT			Type A
TM-2006	Movable type	Type A3	No bread supportor
TM-2006J			Type A
TM-2006F	Fixed type		No bread supportor
TM-2006FJ			Type A
TM-2006T	Movable type	Type B3	No bread supportor
TM-2006JT			Type A
TM-2006FT	Fixed type		No bread supportor
TM-2006FJT			Type A
TM-2009F	Fixed type	Type A1	No bread supportor
TM-2009FJ			Type B

After review, TM-2001FJ, TM-2001JT, TM-2005FJ, TM-2005JT, TM-2006FJ, TM-2006JT and TM-2009FJ were subjected to full tests and the most unfavourable data was recorded.

Amendment 1:

The original test report ref. No. EFSH15030095-IE-01-L01, dated 2015-03-16, was modified on 2016-08-29 to include the following changes and/or additions:

1. Update EK 1 decision to EK1 601-15e Rev1.
2. Two new models: TM-2015T and TM-2016T were added.
3. Compared with original model, TM-2015T and TM-2001T share similar construction except appearance and PCB with other models.
4. TM-2016T has different construction, appearance and PCB.

After review, Cl.8, Cl.10, Cl.11, Cl.13, Cl.15, Cl.16, Cl.19. Cl.20, Cl.21, Cl.22, Cl.23, Cl.29 and Cl.30 (Cl.30.1&Cl.30.2.4) were considered on TM-2016T. Cl.8, Cl.10, Cl.13, Cl.15, Cl.16, Cl.19.11, Cl.29 and Cl.30 (Cl.30.1&Cl.30.2.4) were considered on TM-2015T.

Amendment 2:
The original test report ref. No. EFSH15030095-IE-01-L01, dated 2015-03-16, ref. No. EFSH15030095-IE-01-L01-A1, dated 2016-08-29 was modified on 2017-07-28 to include the following changes and/or additions:

1. Six new models: TM-2019, TM-2019T, TM-2019TJ, TM-2020, TM-2020T and TM-2020TJ were added. The detail differences are as below:

Model	Type of Resistance	With/without bread supportor
TM-2019	Mechanical temperature sensing resistor	Without bread supportor
TM-2019T	Thermistor	Without bread supportor
TM-2019TJ		With bread supportor
TM-2020	Mechanical temperature sensing resistor	Without bread supportor
TM-2020T	Thermistor	Without bread supportor
TM-2020TJ		With bread supportor

2. Compared with original model, TM-2019 series and TM-2006 series share similar construction except appearance and PCB with other models. TM-2020 series and TM-2005 series share similar construction except appearance and PCB with other models.
3. Update the CDF file.

After review, Cl.8, Cl.10, Cl.11, Cl.13, Cl.15, Cl.16, Cl.19. Cl.20, Cl.21, Cl.22, Cl.23, Cl.24, Cl.29 and Cl.30 (Cl.30.1&Cl.30.2.4) were performed on both TM-2019 and TM-2020T as representative.

Amendment 3:
The original test report ref. No. EFSH15030095-IE-01-L01, dated 2015-03-16, ref. No. EFSH15030095-IE-01-L01-A1, dated 2016-08-29, ref. No. EFSH15030095-IE-01-L01-A2, dated 2017-07-28 was modified on 2017-08-18 to include the following changes and/or additions:

1. Retested the temperature rising of magnetic coil winding.

After review, Cl.11.8(winding measurement) was considered on TM-2019 and TM-2020T.

Amendment 4:
The original test report ref. No. EFSH15030095-IE-01-L01, dated 2015-03-16, ref. No. EFSH15030095-IE-01-L01-A1, dated 2016-08-29, ref. No. EFSH15030095-IE-01-L01-A2, dated 2017-07-28, ref. No. EFSH15030095-IE-01-L01-A3, dated 2017-08-18 was modified on 2017-12-13 to include the following changes and/or additions:

1. The value of resistance on PCB for TM-2020T and TM-2020TJ was changed. Detail refers to photos.

After review, tests of Cl.10, Cl.11, Cl.13, Cl.15 and Cl.16 were performed on TM-2020T as representative.

This report is only valid in conjunction with the original test report: EFSH15030095-IE-01-L01, EFSH15030095-IE-01-L01-A1, EFSH15030095-IE-01-L01-A2 and EFSH15030095-IE-01-L01-A3.

Amendment 5:
The original test report ref. No. EFSH15030095-IE-01-L01, dated 2015-03-16, was modified on 2020-08-13 to include the following changes and/or additions:

1. Update the standard to "EN 60335-1: 2012 + A11:2014 + A13:2017 + A1:2019 + A14:2019 + A2:2019, EN 60335-2-13: 2010+A1: 2019".
2. Add new models: TM-2010, TM-2010P, TM-2010J, TM-2010F, TM-2011, TM-2011P, TM-2011J, TM-2011F, TM-2006M, TM-2006MJ, TM-2006P, TM-2017T

Similarity:

Model	Appearance	Rated power input	Type of shelf
TM-2010	TM-2010	700-800W	Movable type
TM-2010P	TM-2010	700-800W	Movable type with picture
TM-2010J	TM-2010+ bread supporter	700-800W	Movable type
TM-2010F	TM-2010	700-800W	Fixed type

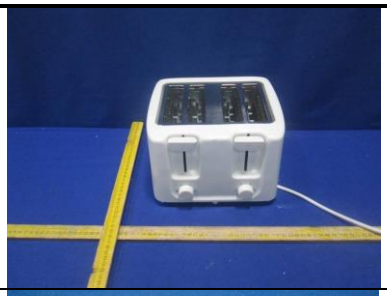
Model	Appearance	Rated power input	Type of shelf
TM-2011	TM-2011	700-800W	Movable type
TM-2011P	TM-2011	700-800W	Movable type with picture
TM-2011J	TM-2011+ bread supporter	700-800W	Movable type
TM-2011F	TM-2011	700-800W	Fixed type

Model	Appearance	Rated power input	Type of shelf	Additional functionality
TM-2006P	TM-2006	700-800W	Movable type with picture	No
TM-2006MJ	TM-2006+ bread supporter	700-800W	Movable type	Music
TM-2006M	TM-2006	700-800W	Fixed type	Music

TM-2006MJ is totally same as TM-2006J in the original report except for the music function.
TM-2017T is totally same as TM-2015T except for the appearance.

After review TM-2010J, TM-2011J were subjected to full tests and the most unfavourable data was recorded.
Models TM-2001, TM-2005FJT, TM-2006JT, TM-2009F, TM-2015T, TM-2016T, TM-2019 and TM-2020TJ were verified for construction/identity checking.
Construction check and verification test confirmed that the EUTs are unchanged and identical as in previous evaluation.
Re-issue the GS mark with a new validity of 5 years.

Model	Overview
TM-2001 TM-2001J TM-2001F TM-2001FJ TM-2001T TM-2001JT TM-2001FT TM-2001FJT	
TM-2005 TM-2005J TM-2005F TM-2005FJ TM-2005T TM-2005JT TM-2005FT TM-2005FJT	
TM-2006 TM-2006J TM-2006F TM-2006FJ TM-2006T TM-2006JT TM-2006FT TM-2006FJT	
TM-2009F TM-2009FJ	
TM-2015T	

TM-2016T	
TM-2019 TM-2019T TM-2019TJ	
TM-2020 TM-2020T TM-2020TJ	
TM-2017T	
TM-2011 TM-2011P TM-2011J TM-2011F	
TM-2010	

This report is only valid in conjunction with the original test report: EFSH15030095-IE-01-L01, EFSH15030095-IE-01-L01-A1~A4.

Amendment 6:
The original Test Report Ref. EFSH15030095-IE-01-L01, dated 2015-03-16, and its amendment reports, were modified on 2022-08-23 to include the following changes and/or additions:

1. Increase models TM-2019B, TM-2020B, TM-2019J, TM-2019J, TM-2019BJ and TM-2020BJ.

2. Update standard to EN 60335-1: 2012 + A11:2014 + A13:2017 + A1:2019 + A14:2019 + A2:2019 + A15:2021

Similarity:

Model	The original model	Bottom enclosure	Additional functionality
TM-2019B	TM-2019	changed	No
TM-2019J		No	bread supportor
TM-2019BJ		changed	bread supportor
TM-2020B	TM-2020	changed	No
TM-2020J		No	bread supportor
TM-2020BJ		changed	bread supportor

1. TM-2019BJ is totally same as TM-2019 in the original report except for changed the bottom enclosure and add bread supportor.
2. TM-2019B is totally same as TM-2019BJ except for the bread supportor.
3. TM-2019J is totally the same as TM-2019BJ except for bottom enclosure.

1. TM-2020BJ is totally same as TM-2020 in the original report except for changed the bottom enclosure and add bread supportor.
2. TM-2020B is totally same as TM-2020BJ except for the bread supportor.
3. TM-2020J is totally the same as TM-2020BJ except for bottom enclosure.

After review, recheck Cl.22.
TM-2019BJ were selected to do Cl.11.
TM-2019B and TM-2020B were selected to do Cl.8.
The most unfavorable data was recorded.

This report is only valid in conjunction with the original test report EFSH15030095-IE-01-L01, EFSH15030095-IE-01-L01-A1 to EFSH15030095-IE-01-L01-A5.

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

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
	Use of test probe B of IEC 61032 through openings, with a force of 20N: no contact with live parts		P
	For toasters having a crumb tray : use of test probe 41 of IEC 61032 : no contact through crumb tray with live parts that are disconnected by double pole switch using (IEC 60335-2-9)		N/A
8.1.2	Use of test probe 13 of IEC 61032, with a force not exceeding 1 N, through openings in class 0 appliances and class II appliances/constructions: no contact with live parts		P
	Test probe 13 also applied through openings in earthed metal enclosures having a non-conductive coating: no contact with live parts		P
8.1.3	For appliances other than class II, use of test probe 41 of IEC 61032, with a force not exceeding 1 N: no contact with live parts of visible glowing heating elements		P
	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
	For toasters it is not necessary for the heating element switching device to provide full disconnection or meet the clearances for full disconnection specified in 20.1.5.3 of IEC 61058-1:2000 obtained from Table 22 of IEC 61058-1:2000. (IEC 60335-2-9)		P
8.1.4	Accessible part not considered live if:		--
	- safety extra-low a.c. voltage: peak value not exceeding 42.4 V		N/A
	- safety extra-low d.c. voltage: not exceeding 42.4 V		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	- 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
	For toasters it is not necessary for the heating element switching device to provide full disconnection or meet the clearances for full disconnection specified in 20.1.5.3 of IEC 61058-1:2000 obtained from Table 22 of IEC 61058-1:2000		N/A
8.1.5	Live parts protected at least by basic insulation before installation or assembly:		--
	- built-in appliances		N/A
	- fixed appliances		N/A
	- appliances delivered in separate units		N/A
8.2	Class II appliances and constructions constructed so that there is adequate protection against accidental contact with basic insulation and metal parts separated from live parts by basic insulation only		P
	Only possible to touch parts separated from live parts by double or reinforced insulation		P
11	**HEATING**		--
11.1	No excessive temperatures in normal use		P
	Compliance for toasters is also checked by the test of 11. 101 (IEC 60335-2-9)		P
	Compliance for ovens, rotary grills and cookers is also checked by the test of 11.102. (IEC 60335-2-9)		N/A
	Compliance for contact grills, waffle irons, radiant grills, raclette grills, barbecues, candy floss appliances and hot plates, is also checked by the test of 11.103. (IEC 60335-2-9)		N/A
	Compliance for breadmakers, pop-corn makers, and food dehydrators is also checked by the test of 11.104. (IEC 60335-2-9)		N/A
	Compliance for roasters is also checked by the test of 11.105. (IEC 60335-2-9)		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	For all other types of appliances, compliance is checked by submitting the appliance to the tests of the nearest mentioned relevant type of appliance. (IEC 60335-2-9)		N/A
11.2	The appliance is held, placed or fixed in position as described .....:	Placed away to the walls	P
	Radiant grills and raclette grills that are loaded from the front, rotary grills, ovens, breadmakers, cookers and hotplates are placed with their backs as near as possible to one of the walls of the test corner and away from the other wall .....(IEC 60335-2-9)		N/A
11.3	Temperature rises, other than of windings, determined by thermocouples		P
	Temperature rises of windings determined by resistance method, unless		N/A
	the windings are non-uniform or it is difficult to make the necessary connections	Magnetic coil winding	P
	For flat surfaces, temperature rises are measured using the probe of Figure 105. The probe is applied with a force of 4 N ± 1 N to the surface in such a way that the best possible contact between the probe and the surface is ensured. (IEC 60335-2-9)		P
11.4	Heating appliances operated under normal operation at 1.15 times rated power input (W) ....:	869W	P
	If the temperature rise limits are exceeded in appliances incorporating motors, transformers or electronic circuits, and if the power input is lower than the rated power input, the test is repeated with the appliance supplied at 1,06 times rated voltage .....(IEC 60335-2-9)		N/A
	Breadmakers are operated as specified for combined appliances. .....(IEC 60335-2-9)		N/A
11.5	Motor-operated appliances operated under normal operation at most unfavourable voltage between 0.94 and 1.06 times rated voltage (V) .....:		N/A
11.6	Combined appliances operated under normal operation at most unfavourable voltage between 0.94 and 1.06 times rated voltage (V) .....:		N/A
	Induction hot plates are also operated with vessels, as specified in Figure 104, containing water and covered with a lid. Controls are adjusted to their highest setting until the water boils and then adjusted so that the water simmers. Water is added to maintain the level during simmering. (IEC 60335-2-9)		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
11.7	Tests carried out in compliance with the paragraphs N° 1 to 11 (IEC 60335-2-9)		P
11.8	Temperature rises monitored continuously and not exceeding the values in table 3 .....:	(see appended table)	P
	If the temperature rise of a motor winding exceeds the value of table 3, or		N/A
	if there is doubt with regard to classification of insulation,		N/A
	tests of Annex C are carried out		N/A
	Sealing compound does not flow out		P
	Protective devices do not operate, except		P
	components in protective electronic circuits tested for the number of cycles specified in 24.1.4		N/A
	For radiant grills, rotary grills, raclette grills, hotplates and cookers, instead of 65 K, the temperature rise of the wall of the test corner shall not exceed 75 K. (IEC 60335-2-9)		N/A
	When an appliance connector incorporates a thermostat, the temperature rise limit for the pins of the inlet does not apply (IEC 60335-2-9)		N/A
	The temperature rise limits of motors, transformers, components of electronic circuit and parts directly influenced by them may be exceeded when the appliance is operated at 1,15 times rated power input (IEC 60335-2-9)		N/A
	Cheese used in sandwich toasting attachments doesn't flow into places where it can give rise to a hazard, such as reducing clearances or creepage distances below the values specified in Clause 29 (IEC 60335-2-9).		N/A
	The temperature rise limits for touch controls also include all surfaces within 5 mm of the touch controls, regardless of their shape. (IEC 60335-2-9)		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
11.101	Toasters are placed as specified in 11.2 and are operated for three cycles at rated power under normal operation (IEC 60335-2-9).		P
	During the test, the temperature rise of surfaces shall not exceed the values specified in Table 102 (IEC 60335-2-9).		N/A
11.102	Ovens, rotary grills and cookers are placed as specified in 11.2 and are supplied at rated power input and operated under normal operation (IEC 60335-2-9)		N/A
	Appliances are operated until steady conditions are established or for 60 min, whichever is shorter. During the test, the temperature rise of surfaces shall not exceed the values specified in Table 102.		N/A
	Ovens having settings higher than 240 °C are also operated at the maximum setting until steady conditions are established or for 60 min, whichever is shorter. The temperature rise limits of Table 102 for top surfaces and door surfaces are increased by 10 K.		N/A
11.103	Contact grills, waffle irons, radiant grills, raclette grills, barbecues, candy floss appliances and hot plates are placed as specified in 11.2 and are supplied at rated power input and operated under normal operation. (IEC 60335-2-9)		N/A
	Induction hotplates and induction wok hotplates are operated at rated voltage instead of rated power input.		N/A
	During the test, the temperature rise of surfaces shall not exceed the values specified in Table 102.		P
11.104	Breadmakers, pop-corn makers and food dehydrators are placed as specified in 11.2 and operated under normal operation. Pop-corn makers and food dehydrators are supplied at rated power input and breadmakers are supplied at rated voltage. (IEC 60335-2-9).		N/A
11.105	Roasters are placed as specified in 11.2 and are supplied at rated power input and operated under normal operation. (IEC 60335-2-9) During the test, the temperature rise of surfaces shall not exceed the values specified in Table 102.		N/A
21	**MECHANICAL STRENGTH**		--
21.1	Appliance has adequate mechanical strength and is constructed as to withstand rough handling		P
	Checked by applying 3 blows to every point of the enclosure like to be weak, in accordance with test Ehb of IEC 60068-2-75, spring hammer test, with an impact energy of 0,5 J	(see appended table)	P
	The appliance shows no damage impairing compliance with this standard, and		P

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	compliance with 8.1, 15.1 and clause 29 not impaired		P
	If doubt, supplementary or reinforced insulation subjected to the electric strength test of 16.3		N/A
	If necessary, repetition of groups of three blows on a new sample		N/A
	For appliances intended for outdoor use, the impact energy is 0.7J (IEC 60335-2-9)		N/A
	Appliances incorporates visibly glowing heating elements the blows are applied to the tubes without removing any heater guards as mounted in the appliance if they are (IEC 60335-2-9)		--
	-located at the top of the oven and accessible to test probe 41 of IEC 61032;		N/A
	-located elsewhere in the oven and accessible to test probe B of IEC 61032.		N/A
	For hotplates with surfaces of glass-ceramic or similar, three blows applied to parts surfaces not exposed to the test of 21.101, impact energy 0,70J ± 0,05 J. (IEC 60335-2-9).		N/A
21.2	Accessible parts of solid insulation having strength to prevent penetration by sharp implements		P
	Test not applicable if the thickness of supplementary insulation is at least 1 mm and reinforced insulation at least 2 mm		P
	The insulation is tested as specified, and does withstand the electric strength test of 16.3		N/A
21.101	Surfaces of hotplates of glass-ceramic or similar material withstand the stresses liable to occur in normal use, under test conditions as specified (IEC 60335-2-9).		N/A
	Induction wok hotplates are tested with a wok pan that is supplied by the manufacturer with the induction wok hotplate at the point of sale. The wok pan is filled with sand or shot so that the total mass, including the mass of the wok pan, is equal to 1,8 kg ± 0,01 kg. (IEC 60335-2-9)		N/A
	After the tests, surface of hotplate not broken).		N/A
	Withstand dielectric strength test of 16.3		N/A
22	**CONSTRUCTION**		--
22.1	Appliance marked with the first numeral of the IP system, relevant requirements of IEC 60529 are fulfilled	IPX0	N/A
22.2	Stationary appliance: means to ensure all-pole disconnection from the supply being provided:		--

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	- 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		N/A
22.5	No risk of electric shock when touching pins, for appliances having a capacitor with rated capacitance equal to or greater than 0,1μF, the appliance being disconnected from the supply at the instant of voltage peak		P
	Voltage not exceeding 34 V (V)..... :	0V	P
	If compliance relies on the operation of an electronic circuit, the electromagnetic phenomena tests of 19.11.4.3 and 19.11.4.4 are applied		N/A
	The discharge test is then repeated three times, voltage not exceeding 34 V (V) ..... :		N/A
22.6	Electrical insulation not affected by condensing water or leaking liquid		N/A
	Electrical insulation of Class II appliances not affected if a hose ruptures or seal leaks		N/A
	In case of doubt, test as described		N/A
22.7	Adequate safeguards against the risk of excessive pressure in appliances containing liquid or gases or having steam-producing devices		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
22.8	Electrical connections not subject to pulling during cleaning of compartments to which access can be gained without the aid of a tool, and that are likely to be cleaned in normal use		P
22.9	Insulation, internal wiring, windings, commutators and slip rings not exposed to oil, grease or similar substances, unless		P
	the substance has adequate insulating properties		N/A
22.10	Not possible to reset voltage-maintained non-self-resetting thermal cut-outs by the operation of an automatic switching device incorporated within the appliance, if:		N/A
	- a non-self-resetting thermal cut-out is required by the standard, and		N/A
	- a voltage maintained non-self-resetting thermal cut-out is used to meet it		N/A
	Non-self-resetting thermal motor protectors have a trip-free action, unless		N/A
	they are voltage maintained		N/A
	Reset buttons of non-self-resetting controls so located or protected that accidental resetting is unlikely		N/A
22.11	Reliable fixing of non-detachable parts that provide the necessary degree of protection against electric shock, moisture or contact with moving parts		P
	Obvious locked position of snap-in devices used for fixing such parts		P
	No deterioration of the fixing properties of snap-in devices used in parts that are likely to be removed during installation or servicing		P
	Tests as described	50N push for all parts 50N pull to enclosure 30N pull to control knob 2Nm to control knob	P
22.12	Handles, knobs etc. fixed in a reliable manner, if loosening result in a hazard		P
	Removing or fixing in wrong position of handles, knobs etc. indicating position of switches or similar components not possible, if resulting in a hazard		P
	A choking hazard does not apply to appliances for commercial use		N/A
	Axial force 15 N applied to parts, the shape being so that an axial pull is unlikely to be applied	Control knob	P

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Axial force 30 N applied to parts, the shape being so that an axial pull is likely to be applied		N/A
	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
	material used is non-corrosive, non-hygroscopic and non-combustible		N/A
22.21	Wood, cotton, silk, ordinary paper and fibrous or hygroscopic material not used as insulation, unless		P
	impregnated		N/A
	This requirement does not apply to magnesium oxide and mineral ceramic fibres used for the electrical insulation of heating elements		P
22.22	Appliances not containing asbestos	No asbestos	P
22.23	Oils containing polychlorinated biphenyl (PCB) not used	No oil	P

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
22.24	Bare heating elements, except in class III appliances or class III constructions that do not contain live parts, adequately supported		P
	Heating elements constructed or supported so they are unlikely to become displaced in normal use. (IEC 60335-2-9)		P
	In case of rupture, the heating conductor is unlikely to come in contact with accessible metal parts		P
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
	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

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Supplementary insulation of natural or synthetic rubber resistant to ageing, or arranged and dimensioned so that creepage distances are not reduced below values specified in 29.2		N/A
	Ceramic material not tightly sintered, similar materials or beads alone not used as supplementary or reinforced insulation		N/A
	~~Insulating~~ Ceramic and similar porous material in which heating conductors are embedded is considered to be basic insulation, not reinforced insulation		N/A
	Oxygen bomb test at 70 °C for 96 h and 16 h at room temperature		N/A
22.33	Conductive liquids that are or may become accessible in normal use and conductive liquids that are in contact with unearthed accessible metal parts are not in direct contact with live parts, or		N/A
	unearthed metal parts separated from live parts by basic insulation only		N/A
	Electrodes not used for heating liquids		N/A
	For class II constructions, conductive liquids that are or may become accessible in normal use and conductive liquids that are in contact with unearthed accessible metal parts, not in direct contact with basic or reinforced insulation, unless		N/A
	the reinforced insulation consists of at least 3 layers		N/A
	For class II constructions, conductive liquids which are in contact with live parts, not in direct contact with reinforced insulation, unless		N/A
	the reinforced insulation consists of at least 3 layers		N/A
	An air layer not used as basic or supplementary insulation in a double insulation system if likely to be bridged by leaking liquid		N/A
22.34	Shafts of operating knobs, handles, levers etc. not live, unless		P
	the shaft is not accessible when the part is removed		N/A
22.35	For other than class III constructions, handles, levers and knobs, held or actuated in normal use, not becoming live in the event of a failure of basic insulation		P

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Such parts being of metal, and their shafts or fixings are likely to become live in the event of a failure of basic insulation, are either adequately covered by insulation material or their accessible parts are separated from their shafts or fixings by supplementary insulation		N/A
	This requirement does not apply to handles, levers and knobs on stationary appliances and cordless appliances, other than those of electrical components, provided they are reliably connected to an earthing terminal or earthing contact, or separated from live parts by earthed metal		N/A
	Insulating material covering metal handles, levers and knobs withstand the electric strength test of 16.3 for supplementary insulation		N/A
22.36	For appliances other than class III, handles continuously held in the hand in normal use so constructed that when gripped as in normal use, the operators hand is not likely to touch metal parts, unless		N/A
	they are separated from live parts by double or reinforced insulation		N/A
22.37	Capacitors in Class II appliances not connected to accessible metal parts and their casings, if of metal, separated from accessible metal parts by supplementary insulation, unless		N/A
	the capacitors comply with 22.42		N/A
22.38	Capacitors not connected between the contacts of a thermal cut-out		N/A
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		N/A
	If the appliance cannot operate continuously, automatically or remotely without giving rise to a hazard, appliances for remote operation being fitted with a switch for stopping the operation. The actuating member of the switch being easily visible and accessible		N/A
22.41	No components, other than lamps, containing mercury	No mercury	P
22.42	Protective impedance consisting of at least two separate components		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	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		N/A
	the appliance switches off automatically or can operate continuously without hazard		N/A
22.50	Controls incorporated in the appliance take priority over controls actuated by remote operation		N/A
22.51	There is a control on the appliance manually adjusted to the setting for remote operation before the appliance can be operated in this mode		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	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 be distinguished from other manual devices by means of shape, size, surface texture or position .....:	Refer to photo	P
	The requirement concerning position does not preclude use of a push on push off switch		N/A
	An indication when the device has been operated is given by:		--
	– tactile feedback from the actuator or from the appliance, or		N/A
	– reduction in heat output; or		N/A
	– audible and visible feedback		P
22.56	Detachable power supply part provided with the part of class III construction		N/A
22.57	The properties of non-metallic materials do not degrade from exposure to UV-C radiation, as specified in Annex T		N/A
	This requirement does not apply to glass, ceramics or similar materials		N/A
22.101	Radiant grills: no timer that is intended to delay the operation of a heating element, (IEC 60335-2-9)		N/A
	Unless having a thermostat and being incorporated in an oven or other compartment, (IEC 60335-2-9)		N/A
	Hotplates shall not incorporate a timer that is intended to delay the operation of a heating		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	element. (IEC 60335-2-9)		
22.102	Barbecue shall not be provided with bare heating elements (IEC 60335-2-9)		N/A
	Oven: heating elements with bare conductors at the top only (IEC 60335-2-9)		N/A
22.103	Oven vents constructed so that moisture or grease cannot reduce the clearances and creepage distances. (IEC 60335-2-9)		N/A
22.104	Ovens constructed so that shelves can easily slide in the supports and do not fall out of position when the sides are displaced as much as possible. (IEC 60335-2-9)		N/A
22.105	Appliances have not openings on the underside that would allow small items to penetrate and touch live parts. (IEC 60335-2-9)		P
	Distance measured between the supporting surface and live parts through openings (IEC 60335-2-9)		P
	Distance requested as specified:(IEC 60335-2-9)	Measured distance: >6mm	P
22.106	Grills and barbecues constructed so that their heating elements are fixed in position or prevented from operating when they are not in their normal position of use..... (IEC 60335-2-9)		N/A
22.107	Hotplate constructed so that heating elements are prevented from rotating about a vertical axis and are adequately supported in all positions of adjustment of their supports.....(IEC 60335-2-9)		N/A
22.108	Hotplate constructed so that inadvertent operation of touch controls is unlikely if this could give rise to a hazardous situation due to spillage of liquids or damp cloth placed on the control panel, and complies with test as specified.....(IEC 60335-2-9)		N/A
22.109	Hotplate incorporating touch controls constructed so that at least two manual operations are requested to switch on a heating element but only one to switch it off.....(IEC 60335-2-9)		N/A
22.110	Induction hotplates constructed so that they can only be operated with a suitable vessel placed on the cooking zone.....(IEC 60335-2-9)		N/A
	Temperature rise of iron not exceeding 35K.....(IEC 60335-2-9)		N/A
22.111	Heating element in breadmakers located so they are not exposed to dough that they may rise over the edge of the dough container during normal use of the appliance.....(IEC 60335-2-9)		N/A

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

22.112	Reconnection of the power supply to a breadmaker after an interruption shall not result in a fire due to an extended heating period.....(IEC 60335-2-9)		N/A
	All batteries are removed and the breadmaker is supplied at rated voltage and operated in heating mode without load.....(IEC 60335-2-9)		N/A
	The appliance shall eventually require a manual operation to restart it.....(IEC 60335-2-9)		N/A
22.113	Toasters having an ejector mechanism shall be constructed so that they switch off automatically after the normal toasting time even if the ejector mechanism is blocked by the bread. (IEC 60335-2-9)		P
22.114	Heating elements in candy floss appliances shall be located so that they are not exposed to sugar during normal use of the appliance. (IEC 60335-2-9)		N/A
22.115	For appliances incorporating a hotplate with at least one heating unit controlled by an electronic circuit, safety shall not be impaired in the event of a fault in the electronic circuit. (IEC 60335-2-9)		N/A

11.8	**TABLE: Heating test (**TM-2020BJ with bread supporter**)**		P
	Test voltage (V) ..... :	273V~	—
	Ambient (°C)..... :	20,0	—

Thermocouple locations	**Max. temperature rise measured, Δ T (K)**	**Max. temperature rise limit, Δ T (K)**
Power cord	14,2	50
Internal wire	159,6	175(T200)
Insulation sleeve	101,4	175(T200)
Bobbin of winding	55,5	--
Main PCB	38,3	120
Button of spring swtich	6,6	60
Internal enclosure	21,0	--
Knob of rotary switch	4,7	60
20mm around the rotary switch	18,2	60
Metal surface	10,6	35
Test corner	2,0	65
Handle for bread supporter	26,0	60
Supplementary information: None.		

ATTACHMENT TO TEST REPORT IEC 60335-1 EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES Household and similar electrical appliances – Safety – Part 1: GENERAL REQUIREMENTS	
Differences according to :	EN 60335-1:2012/A15:2021
Attachment Form No. :	TRF-HS-078A
Attachment Originator :	Eurofins
Master Attachment :	2022-06

22.44	An appliance is child-appealing if one of the following criteria is present:		N/A
	- appliance decorated using faces, cartoon like characters, or similar images;		N/A
	- appliance using shapes representing animals, characters, persons or scale models.		N/A
	An appliance is child-appealing if more than one of the following criteria are present:		N/A
	- using non-functional light;		N/A
	- using non-functional sound;		N/A
	- using non-functional movement.		N/A
	If the appliance is child-appealing (except toy shaped like the appliance), has a mass less than 4 kg or is mounted or normally intended for use at a height less than 850 mm, the following conditions shall be met:		N/A
	--- No surface (both functional surface and non-functional) that are accessible by means of test probe 19 of IEC 61032 located at a height less than 850 mm shall exceed the temperature rises state below:		N/A
	- of bare metal 38k		N/A
	- of coated metal 42k		N/A
	- of glass and ceramic 51k		N/A
	- of plastic having a thickness exceeding 0.4mm 58k		N/A
	--- Hazardous moving parts shall not be accessible by means of test probe 19 of IEC 61032 under the conditions specified for test probe 18 in Clause 20.2.		N/A
	--- Live parts shall not be accessible by means of test probe 19 of IEC 61032 under the conditions specified for test probe 18 in Clause 8.1.1.		N/A

	--- Liquid in the appliance shall not exceed 38 °C in normal use when it is accessible by means of test probe 19 under the conditions specified for test probe 18 in Clause 20.2 or can get out of the appliance when positioned in different positions. Vessels in which two independent and sequential actions are needed to access the liquid are considered to meet the requirement.		N/A
	--- The requirement of 22.12 is applicable for all accessible parts of the appliance.		N/A
24.1.7	If the remote operation of the appliance is via a telecommunication network, the relevant standard for the telecommunication interface circuitry in the appliance is IEC 62151		N/A
ZA	**ANNEX ZA (**NORMATIVE) **SPECIAL NATIONAL CONDITIONS (EN)**		
	Ireland and 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
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		N/A
ZH	**ANNEX ZH** (INFORMATIVE) **Common plug and socket-outlet types in CENELEC countries**		-
	The dimensions of the plugs are purely for information. The exact dimensions of the plugs can be found in the relevant national standards.		N/A
	There are exemptions or differences in certain CENELEC countries		-
	Cyprus		-
	Only plugs according to standard sheets GB1, GB6 and GB7 of IEC/TR 60083 are allowed. They correspond with plug designations: EU9, EU6 and EU10.		N/A
	Finland		-
	Plugs according to Publications SFS 5610 and SFS-EN 50075 are allowed. Plugs according to Publications SFS 5215 and SFS-EN 60309 are allowed.		N/A
	Netherlands		N/A -

	Only plugs according to NEN 1020:2019 are allowed These plugs are shown in IEC/TR 60083 as NL2, NL3, NL4, NL5 and DE4. They correspond with plug designations: EU 2, EU4, EU5, EU6, EU7 and EU8.		N/A
	Switzerland		N/A -
	Supply cords of portable household and similar electrical appliances having a rated current not exceeding 16 A shall be provided with a plug complying with SN 441011-1:2019. The Table A is applicable for Plug with IP20 and Table B is applicable for plug with IP55.		N/A

IEC60335_2_9			
Clause	Requirement + Test	Result - Remark	Verdict

Photo 1
Description: bread supportor for TM-2019J, TM-2020J, TM-2019BJ and TM-2020BJ..

Description: bottom enclosure for TM-2019B, TM-2020B, TM-2019BJ and TM-2020BJ.