

Report No.: 18250SC20035101

Test Report

Client Name : Dongguan Kangya Technology Co., Ltd.

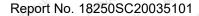
Address : Room 501, Building 2, No. 7, Longtian Road, Qinghutou,

Tangxia Town, Dongguan City, Guangdong Province

Product Name : Terahertz blower

Date : Jun. 10, 2022

Shenzhen Anbotek Compliance Laboratory Limited
*Approved**





TEST REPORT IEC 60335-1 Safety of household and similar electrical appliances

Report Number...... 18250SC20035101

Name of Testing Laboratory

preparing the Report....: Shenzhen Anbotek Compliance Laboratory Limited

Applicant's name...... Dongguan Kangya Technology Co., Ltd.

Address...... Room 501, Building 2, No. 7, Longtian Road, Qinghutou,

Tangxia Town, Dongguan City, Guangdong Province

Test specification:

Standard.....: IEC 60335-1:2010+A1:2013+A2:2016

Test procedure.....: Type test

Non-standard test method.....: N/A

Test Report Form No.....: IEC60335_1X
Test Report Form(s) Originator....: Nemko AS

Master TRF.....: Dated 2016-10

General disclaimer:

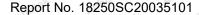
The test results presented in this report relate only to the object tested.

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

Laboratory.

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







Test item description.....: Terahertz blower

Trade Mark....:: FKY

Manufacturer...... Dongguan Kangya Technology Co., Ltd.

Model/Type reference.....: FKY00098, FKY

Ratings.....: | 220-240V~, 50/60Hz, 1000W

List of Attachments:

Attachment 1: EU difference

Attachment 2: Photo documentation

Summary of testing:

Tests performed (name of test and test clause):

The submitted samples were found to comply with the requirements of:

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

EN 62233:2008

Testing location:

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







Copy of 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.

Terahertz blower

Model: FKY00098

Rating: 220-240V~, 50/60Hz, 1000W

Manufacturer: Dongguan Kangya Technology Co., Ltd. Address: Room 501, Building 2, No. 7, Longtian Road,

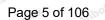
Qinghutou, Tangxia Town, Dongguan City,

Guangdong Province

Importer: XXX
Address: XXX









Test item particulars:	And tek upotek Anbour
Supply Connection:	Type Y
st case does not apply to the test object	Anbotek Anbotek Anbotek Anbotek
Possible test case verdicts:	upotek Anbore An hotek Anborek
- test case does not apply to the test object::	N Anborek Anboret Anb Arek Anbo
- test object does meet the requirement::	P (Pass)
- test object does not meet the requirement:	F (Fail)
Testing:	Anborek Anborek Anbor
Date of receipt of test item:	May 17, 2022
Date (s) of performance of tests:	May 17, 2022 to May 25, 2022
General remarks:	And otek upotek Anbo. A.
Throughout this report a \square comma $/ \boxtimes$ point is u	sed as the decimal separator.
Name and address of factory (ies)	Dongguan Kangya Technology Co. Ltd
And ak botek Anbo An	Room 501, Building 2, No. 7, Longtian Road,
	Qinghutou, Tangxia Town, Dongguan City,
	Guangdong Province
ster upotek Aupo ok hotek M	hotel And Andorek Ando
General product information:	
All tests were performed on model FKY00098 if no oth	onvice specified
All models are same except for model names and prod	The state of the s
The models are same except for inouclinations and proc	idot appodrarios.

Report No. 18250SC20035101



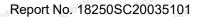
Aug Potek	Anbotel Anbo	IEC 60335-1	Anborer Anbo
Clause	Requirement + Test	Result - Remark	Verdict

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5	GENERAL CONDITIONS FOR THE TESTS		
Yupo, Vupolek	Tests performed according to clause 5, e.g. nature of supply, sequence of testing, etc.	A.C. hootek Anborek	Aup P
6	CLASSIFICATION	,	
6.1	Protection against electric shock: Class 0, 0I, I, II, III	Class II	PATTE AT
ontek I	For a class III construction with a detachable power supply part the appliance is classified according to the detachable power supply part	Anbotek Anbotek An	oo ^{tek} N
6.2	Protection against harmful ingress of water	IPX0	Prek
7	MARKING AND INSTRUCTIONS		
7.1	Rated voltage or voltage range (V)	220-240V	P
nek In	Symbol for nature of supply, or	~ tek potek Anboth	P
PSK-	Rated frequency (Hz)	50/60Hz	Р
upor	Rated power input (W), or	1000W	inpose
Aupore	Rated current (A)	Aupores Aug Potek	AnWien
Aupore	Manufacturer's or responsible vendor's name, trademark or identification mark	Dongguan Kangya Technology Co., Ltd.	Palot
SK Dir	Model or type reference	See page 3	P Am
Je N	Symbol IEC 60417-5172, for class II appliances	Aupotes Aup	P
pole	IP number, other than IPX0	IPX0	nbote N
Anbotek	Symbol IEC 60417-5180, for class III appliances, unless	Anbotek Anbotek	AnbNek
br.	the appliance is operated by batteries only, or	ok hotek Anbote	N
lsk bu	for appliances powered by rechargeable batteries recharged in the appliance	olosek Aupotek Aupotei	N Ant
botek	Symbol IEC 60417-5018, for class II and class III appliances incorporating a functional earth	Anbotek Anbotek An	Netoote
Anbotek Anbotek	Symbol IEC 60417-5036, for the enclosure of electrically-operated water valves in external hosesets for connection of an appliance to the water mains, if the working voltage exceeds extra-low voltage	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbored Anbored
7.2	Warning for stationary appliances for multiple supply	anbotek Anbotek Anbo	N P
abořek	Warning placed in vicinity of terminal cover	anbotek Anbote Ar	N
7.3	Range of rated values marked with the lower and upper limits separated by a hyphen	Anbotek Anbotek	Anborek Anborek
- 46	A CO	100	



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botek	IEC 60335-1	ok botek Anbo	16.
Clause	Requirement + Test	Result - Remark	Verdict
bir	otek Wposer Tubo	upor Air	Ker
otek bi	Different rated values marked with the values separated by an oblique stroke	Aupotek Aupotek Ar	PoteNN
7.4 Anbotek	Appliances adjustable for different rated voltages or rated frequencies, the voltage or the frequency setting is clearly discernible	Anbotek Anbotek	Anbote
Anbot Anbot	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	potek Anbotek Anbotek	N.nb otek
7.5 Anbotek	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	Anbotek Anbotek Anbotek	Anborel Anborel
	the power input or current are related to the arithmetic mean value of the rated voltage range	hotek Anbotek Anbotek	P.nb
tek Ant	Relation between marking for upper and lower limits of rated power input or rated current and voltage is clear	Anbotek Anbotek Anbotek	otek N
7.6	Correct symbols used	hotek Anbores	Prek
Anbotek	Symbol for nature of supply placed next to rated voltage	ak Anbotek Anbotek	Anbo Anbo
ek ab	Symbol for class II appliances placed unlikely to be confused with other marking	potek Anbotek Anbote	P
ootek t	Units of physical quantities and their symbols according to international standardized system	Anbotek Ambotek Anb	P
7.7otek Anbotek	Connection diagram fixed to appliances to be connected to more than two supply conductors and appliances for multiple supply, unless	Anbotek Anbotek	Anb Nek
anbore	correct mode of connection is obvious	otek Anbotek Anbo	N
7.8 _{Anto}	Except for type Z attachment, terminals for connection indicated as follows:	on to the supply mains	lek -
otek A	- marking of terminals exclusively for the neutral conductor (letter N)	Aupotek Aupotek V	nbote ^N
Anborek	- marking of protective earthing terminals (symbol IEC 60417-5019)	Anbotek Anbotek	Anbor
Anbotek	- marking of functional earthing terminals (symbol IEC 60417-5018)	tek Anborek Anborek	N _{An}
P.U.	- marking not placed on removable parts	upon Ar hotek Anbo	Р
7.9	Marking or placing of switches which may cause a hazard	Anbotek Anbotek Ar	botek botek
7.10	Indications of switches on stationary appliances and controls on all appliances by use of figures, letters or other visual means	Aupotek Aupotek	Anbore Anbore



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hotek	IEC 60335-1	ok bojek Anbor	br.
Clause	Requirement + Test	Result - Remark	Verdic
And	Lok botek Anbo Anbo Anbo	upote, Mus	,ek
	This applies also to switches which are part of a control	Anbotek Anbotek Ari	looteVN
upotek	If figures are used, the off position indicated by the figure 0	Anbotek Anbotek	Anbore hot
Aupotek	The figure 0 indicates only OFF position, unless no confusion with the OFF position	tek Anbotek Anbotek	N Anl
7.11 Anbox	Indication for direction of adjustment of controls	botek Anbor Ar abot	N M
7.12	Instructions for safe use provided	anbotek Anbot An	ote ^K P
ipotek	Details concerning precautions during user maintenance	Anbotek Anbotek An	Anbot Pt
Vupo.	The instructions state that:	Augo, rek upotek	Aupore
Anbore Anbore	- 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	ootek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbote	Rnb otek
notek .	- children being supervised not to play with the appliance	Anbotek Anbotek	inbotel
Anbotek Anbotek	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	orek Anbotek Anbotek	Anb
otek And	Instructions for class III appliances state that it must only be supplied at SELV, unless	Anbotek Anbotek Anb	otek N
Anbotek	it is a battery-operated appliance, the battery being charged outside the appliance	Anbotek Anboten A	Anbotek
Anbore	For appliances for altitudes exceeding 2000 m, the maximum altitude is stated	Anborek Anborek	No
k Anbo	The instructions for appliances incorporating a functional earth states that the appliance incorporates an earth connection for functional purposes only	Inbotek Anbotek Anbotek Anbotek	lek N ^A
7.12.1	Sufficient details for installation supplied	Aupotek Aupo. Tek	op Psk
Anbořek Anbořek	For an appliance intended to be permanently connected to the water mains and not connected by a hose-set, this is stated	Hek Anbotek Anbotek	N _o o Ando
stek Anbo	If different rated voltages or different rated frequencies are marked, the instructions state what action to be taken to adjust the appliance	nbotek Anbotek Anbo	× N



Clause	IEC 60335-1	Booult Borserly	Van-hW
Clause	Requirement + Test	Result - Remark	Verdict
7.12.2 And hbotek Anbotek Anbotek	Stationary appliances not fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under overvoltage category III, the instructions state that means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	botek Anbotek Anbote
7.12.3	Insulation of the fixed wiring in contact with parts exceeding 50 K during clause 11; instructions state that the fixed wiring must be protected	Anbotek Anbotek Anbot	ofek N
7.12.4	Instructions for built-in appliances:	Anbotek Anbo tek	nborek
Anbotek	- dimensions of space	Anborek Anbo.	Niel
Anbotek	- dimensions and position of supporting and fixing	ek Anbotek Anbor	N
Anborel	- minimum distances between parts and surrounding structure	botek Anbotek Anbote	N
ek Aup	- minimum dimensions of ventilating openings and arrangement	Anbotek Anbotek Ant	otek N
Anbotek	- connection to supply mains and interconnection of separate components	Anbotek Anbotek	upotel
Anbotek Anbotek	- allow disconnection of the appliance after installation, by accessible plug or a switch in the fixed wiring, unless	ak Anbotek Anbotek	Nanbo
anbo Anbo	a switch complying with 24.3	abotek Anbore. Ann	N Yar
7.12.5	Replacement cord instructions, type X attachment with a specially prepared cord	Anbotek Anbotek Anb	nboteN
Aupor	Replacement cord instructions, type Y attachment	Ambotes Amb	AnbPiek
Anbore	Replacement cord instructions, type Z attachment	k Aupole Aur	Noo
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	otek Anbotek Anbotek Inbotek Anbotek Anbotek Anbotek Anbotek	iek N ^{Vu}
7.12.7	Instructions for fixed appliances stating how the appliance is to be fixed	Anbotek Anbotek A	opotek N
7.12.8	Instructions for appliances connected to the water m	ains: Anborek Anbor	No
anbotek	- max. inlet water pressure (Pa):	tek Anbotek Anbor	N
· nbot	- min. inlet water pressure, if necessary (Pa):	otek Anbotek Anboro	N N
riek Ant	Instructions concerning new and old hose-sets for appliances connected to the water mains by detachable hose-sets	Anbotek Anbotek Anbo	N potek n
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	Anbotek Anbotek	Anbore Anbore



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botel	IEC 60335-1	nok bojek Anbo	16.
Clause	Requirement + Test	Result - Remark	Verdict
VK VUS	These instructions may be supplied with the	abore Ana borek Anbo	iek
upotek V	These instructions may be supplied with the appliance separately from any functional use booklet	Anborek Anborek An	potek
Anbotek	They may follow the description of the appliance that identifies parts, or follow the drawings/sketches	Anbotek Anbotek	Anbot
	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	botek Anbotek Anbotek	N. ch
lootek Ar	In addition, instructions are also available in an alternative format such as on a website or in a format such as a DVD:	Anbotek Anbotek An	o ^{tek} N Anbotek
7.13	Instructions and other texts in an official language	Ambore Am Motek	An Porte
7.14	Markings clearly legible and durable:	tek Aupore Aur Potek	<u> A</u> nb
ek Anbot	Signal words WARNING, CAUTION, DANGER in uppercase having a height as specified	botek Anbotek Anbote	e P
potek	Uppercase letter of the text explaining the signal word not smaller than 1,6 mm:	Anbotek Anbotek Ant	otel N
	Moulded in, engraved, or stamped markings either raised above or have a depth below the surface of at least 0,25 mm, unless	ek Anbotek Anbotek	Anbore
Anbore	contrasting colours are used	otek Anbotek Anbo	N
ik Ant	Markings checked by inspection, measurement and rubbing test as specified	Anbotek Anbotek Anbo	P P
7.15	Markings on a main part	Anbotes And atek	nboteP
	Marking clearly discernible from the outside, if necessary after removal of a cover	Anbotek Anbotek	AnbBel
Anbore	For portable appliances, cover can be removed or opened without a tool	otek Anbotek Anbotek	IN ^o
otek Anb	For stationary appliances, name, trademark or identification mark and model or type reference visible after installation	inbotek Anbotek Anbo	kek P
nbotek	For fixed appliances, name, trademark or identification mark and model or type reference visible after installation according to the instructions	Anbotek Anbotek A	N.k
Anbotel Anbo	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	nbotek Anbotek Anbotek	P
ipotek W	The symbol IEC 60417-5018 placed next to the symbol IEC 60417-5172 or IEC 60417-5180	Anbotek Anbotek An	potek
7.16	Marking of a possible replaceable thermal link or fuse link clearly visible with regard to replacing the link	Anbotek Anbotek	Anbot Anbot





IEC 60335-1 Clause Requirement + Test Result - Remark Verdict

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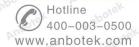
8	PROTECTION AGAINST ACCESS TO LIVE PART	S	
8.1	Adequate protection against accidental contact with live parts	Anbotek Anbotek Ar	Anborek
8.1.1	Requirement applies for all positions, detachable parts removed	ek upotek Aupotek	A.Pote
Anb	Lamps behind a detachable cover not removed, if conditions met	botek Anbotek Anbotek	N. N.
tek p	Insertion or removal of lamps, protection against contact with live parts of the lamp cap	Anbotek Anbotek An	bote ^k N
Anbotek	Use of test probe B of IEC 61032, with a force not exceeding 1 N: no contact with live parts	Anbotek Anbotek	Anborel
Anbore ^r	Use of test probe B of IEC 61032 through openings, with a force of 20N: no contact with live parts	ootek Anbotek Anbotek	PAnb
8.1.2 A	Use of test probe 13 of IEC 61032, with a force not exceeding 1 N, through openings in class 0 appliances and class II appliances/constructions: no contact with live parts	Anbotek Anbotek Anbotek	otek N
Anbotek	Test probe 13 also applied through openings in earthed metal enclosures having a non-conductive coating: no contact with live parts	ek Anbotek Anbotek	An N
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	Anbotek Anbotek Anbote	otek N Ar
Anbotek	For a single switching action obtained by a switching device, requirements as specified	Anbotek Anbotek	Mek
Anbor	For appliances with a supply cord and without a switching device, the single switching action may be obtained by the withdrawal of the plug	otek Anbotek Anbotek	N _{po}
8.1.4	Accessible part not considered live if:	Anbores Anb	N N
otek	- safety extra-low a.c. voltage: peak value not exceeding 42.4 V	Anbotek Anbotek A	nbote ^N
Anborek	- safety extra-low d.c. voltage: not exceeding 42.4 V	Anbotek Anbotek	Anbote Anbote
Anbore	- or separated from live parts by protective impedance	otek Vupojek Vupojek	N _{AR}
yek Pr	If protective impedance: d.c. current not exceeding 2 mA, and	Anbotek Anbotek Anbo	N
nbotek	a.c. peak value not exceeding 0.7 mA	upotek Aupote Ar	N/c
Anbotek	- for peak values over 42.4 V up to and including 450 V, capacitance not exceeding 0,1 μF	Anbotek Anbotes	Anbore!





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hotek	IEC 60335-1	ok bojek Anboy	br.
Clause	Requirement + Test	Result - Remark	Verdic
Aug	rok sporek Mipo, W. Wilsek	abote And sek abo	ek-
	- for peak values over 450 V up to and including 15 kV, discharge not exceeding 45 μC	Anbotek Anbotek An	poteKN
hbo.	- for peak values over 15kV, the energy in the discharge not exceeding 350 mJ	Anbotek Anbotek	Aup N
3.1.5 dela	Live parts protected at least by basic insulation before	re installation or assembly:	bu.
p. abor	- built-in appliances	tek abotek Anbotes	N
ok of	- fixed appliances	born Anborek Anbor	N
in bu	- appliances delivered in separate units	Anbore An borek An	N
Anbotek	Class II appliances and constructions constructed so that there is adequate protection against accidental contact with basic insulation and metal parts separated from live parts by basic insulation only	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbore Anbore
ek Ant	Only possible to touch parts separated from live parts by double or reinforced insulation	potek Anbotek Anbote	N I
9	STARTING OF MOTOR-OPERATED APPLIANCES	3	
Anbotek	Requirements and tests are specified in part 2 when necessary	Anbotek Anboten	Anbotel
10	POWER INPUT AND CURRENT		
10.1 Anbote	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 P
otek Anbotek Anbotek Anbotek	If the power input varies throughout the operating cycle and the maximum value of the power input exceeds, by a factor greater than two, the arithmetic mean value of the power input occurring during a representative period, the power input is the maximum value that is exceeded for more than 10 % of the representative period	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	nbotek Anbotek Anbo
otek Anbe	Otherwise the power input is the arithmetic mean value	inbotek Anbotek Anbo	iek N
nbotek	Test carried out at upper and lower limits of the ranges for appliances with one or more rated voltage ranges, unless	Anbotek Anbotek Ar	Anbotek Anbotek
Anbotek	the rated power input is related to the arithmetic mean value	rek Anbotek Anbotek	PP An
10.2	Current at normal operating temperature, rated voltage and normal operation not deviating from rated current by more than shown in table 2:	(see appended table)	e¥ N







	IEC 60335-1		
Clause	Requirement + Test	Result - Remark	Verdic
Dur	Lek botek Anbo A. Jotek	anbote And ak bo	KS/K
	If the current varies throughout the operating cycle and the maximum value of the current exceeds, by a factor greater than two, the arithmetic mean value of the current occurring during a representative period, the current is the maximum value that is exceeded for more than 10 % of the representative period	Anbotek	Anbotek Anbote Anbote
Vupo,	Otherwise the current is the arithmetic mean value	N botek Anboy Att	e ^K N
itek Ant	Test carried out at upper and lower limits of the ranges for appliances with one or more rated voltage ranges, unless	Anbotek Anbotek An	otekN Lobotek
	the rated current is related to the arithmetic mean value of the range	k Anbotek Anbotek	Anbbre
11	HEATING	1010 991	
11.1 And	No excessive temperatures in normal use	unpoter Anboth	PP
11.2	The appliance is held, placed or fixed in position as described:	Anbotek Anbotek Ant	ote ^k P
11.3	Temperature rises, other than of windings, determined by thermocouples	Anbotek Anbotek	inbo P
Anboten	Temperature rises of windings determined by resistance method, unless	otek Anbotek Anbotek	Nanbe
ek Anbo	the windings are non-uniform or it is difficult to make the necessary connections	obotek Anbotek Anbote	N A
11.4	Heating appliances operated under normal operation at 1.15 times rated power input (W):	Anbotek Anbotek And	nboteN
11.5	Motor-operated appliances operated under normal operation at most unfavourable voltage between 0.94 and 1.06 times rated voltage (V):	240x1.06=254.4V	Aupo,
11.6	Combined appliances operated under normal operation at most unfavourable voltage between 0.94 and 1.06 times rated voltage (V)	Mibotek Anbotek Anbotek	N AC
11.7	Operation duration corresponding to the most unfavourable conditions of normal use	Anbotek Anbotek A	ibotek P
11.8	Temperature rises monitored continuously and not exceeding the values in table 3	(see appended table)	Anbot
Anbore	If the temperature rise of a motor winding exceeds the value of table 3, or	batek Anbotek Ann	N
rek An	if there is doubt with regard to classification of insulation,	Anbotek Anbotek Anbo	N
nbotek	tests of Annex C are carried out	upotek Anbor Al	N/V
abotek	Sealing compound does not flow out	ak anbotek Anbote	Pore
h. stek	Protective devices do not operate, except	nbotek Anbote	P

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hotek	IEC 60335-1	work shotek Anbor	b.
Clause	Requirement + Test	Result - Remark	Verdic
itek Ar	components in protective electronic circuits tested for the number of cycles specified in 24.1.4	Anbotek Anbotek Anbot	ooteVN
13	LEAKAGE CURRENT AND ELECTRIC STRENGTH TEMPERATURE	H AT OPERATING	
13.1 Anbotek	Leakage current not excessive and electric strength adequate	tek Anbotek Anbotek	P
ek vu	Heating appliances operated at 1.15 times the rated power input (W):	botek Anbotek Anbot	N N
botek botek	Motor-operated appliances and combined appliances supplied at 1.06 times the rated voltage (V):	240x1.06=254.4V	Anbotek
Anbotek	Protective impedance and radio interference filters disconnected before carrying out the tests	ek Anbotek Anbotek	Anh Anh
13.2	The leakage current is measured by means of the circuit described in Figure 4 of IEC 60990:1999	botek Anbotek Anbote	← N
ootek An	For class 0I appliances and class I appliances, except parts of class II construction, C may be replaced by a low impedance ammeter	Anbotek Anbotek Ant	mbotek
Aupo,	Leakage current measurements	(see appended table)	AUBO
13.3	The appliance is disconnected from the supply	ek Anbor Ar abotek	R/c
Aupore	Electric strength tests according to table 4	(see appended table)	Р
K Anb	No breakdown during the tests	abotek Anbote An	rek P
14	TRANSIENT OVERVOLTAGES		
inbotek	Appliances withstand the transient over-voltages to which they may be subjected	Aupotek Aupotek	Anbore
Anbotel	Clearances having a value less than specified in table 16 subjected to an impulse voltage test, the test voltage specified in table 6:	(see appended table)	No
Aup.	No flashover during the test, unless	inposesk Ambo sek inbo	ISK N
itek D	of functional insulation if the appliance complies with clause 19 with the clearance short-circuited	Ambotek Ambotek Av	_{lbote} N
5	MOISTURE RESISTANCE	1017	
5:1 Anborek	Enclosure provides the degree of moisture protection according to classification of the appliance	tek Anbotek Anbotek	p N °
tek Au	Compliance checked as specified in 15.1.1, taking into account 15.1.2, followed by the electric strength test of 16.3	Anbotek Anbotek Anbo	oorek N
Anbotek Joseph	No trace of water on insulation which can result in a reduction of clearances or creepage distances below values specified in clause 29	Anbotek Anbotek	Anbolek





IEC 60335-1				
Clause	Requirement + Test	Result - Remark	Verdict	
Arra	Mek anboter Ando A hotek A	upor An	SEL	
5.1.1	Appliances, other than IPX0, subjected to tests as specified in IEC 60529	Aupotek Aupo, Well	looteVN	
	Water valves containing live parts in external hoses for connection of an appliance to the water mains tested as specified for IPX7 appliances	Anbotek Anbotek	Anbok	
5.1.2	Hand-held appliance turned continuously through the most unfavourable positions during the test	lek Anbotek Anbotek	N _U	
k Aut	Built-in appliances installed according to the instructions	Anbotek Anbotek Anbo	o ^{tek} N	
otek	Appliances placed or used on the floor or table placed on a horizontal unperforated support	Anbotek Anbotek	Anbo'N	
Aupotek	Appliances normally fixed to a wall and appliances with pins for insertion into socket-outlets are mounted on a wooden board	ek Anbotek Anbotek	Anh Anh	
tek Vup	For IPX3 appliances, the base of wall mounted appliances is placed at the same level as the pivot axis of the oscillating tube	Anbotek Anbotek Anbot	otek N	
hotek	For IPX4 appliances, the horizontal centre line of the appliance is aligned with the pivot axis of the oscillating tube, and	Anbotek Anbotek	Anbore Anbore	
Anbotek	for appliances normally used on the floor or table, the movement is limited to two times 90° for a period of 5 min, the support being placed at the level of the pivot axis of the oscillating tube	botek Anbotek Anbotek	N ^{ib}	
tek V	Wall-mounted appliances, take into account the distance to the floor stated in the instructions	Anbotek Anbotek A	n ^{bote} Ň	
Anbotek Anbotek	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	k Anbotek Anbotek otek Anbotek	Anbo	
ek Anbo	for IPX4 appliances, the movement of the tube is limited to two times 90° from the vertical for a period of 5 min	Anbotek Anbotek Anbo	ipotek	
poter.	Appliances with type X attachment fitted with a flexible cord as described	Anbotek Anbotek	Anb Nek	
Anbotek	Detachable parts subjected to the relevant treatment with the main part	tek Anbotek Anbotek	N ^o	
Anbot An	However, if a part has to be removed for user maintenance and a tool is needed, this part is not removed	upotek Aupotek Aupo	ek N	
5.2 ^k	Spillage of liquid does not affect the electrical insulation	Anbotek Anbotek	AupoN _K	
Yupo.	Spillage solution comprising water containing approximately 1 % NaCl and 0,6 % rinsing agent	Anbotek Anbotek	P.Nº	





Clause	Requirement + Test	Result - Remark	Verdict
Olddoc	Troduit Trod	Troduc Tromany	VOIGIO
itek An	Appliances with type X attachment fitted with a flexible cord as described	Anbotek Anbotek Anbo	poteVN
Anbotek	Appliances incorporating an appliance inlet tested with or without an connector, whichever is most unfavourable	Anbotek Anbotek	Anbore
	Detachable parts are removed	ler Anbotek	No
rek Anbo	Overfilling test with additional amount of the solution, over a period of 1 min (I):	botek Anbotek Anbot	N N
lbotek	The appliance withstands the electric strength test of 16.3	Anbotek Anbotek An	N.
Anbotek Anbotek	No trace of water on insulation that can result in a reduction of clearances or creepage distances below values specified in clause 29	ek Anbotek Anbotek	Anb
15.3	Appliances proof against humid conditions	potek Anboren Anbo	Р,
ek Aup	Checked by test Cab: Damp heat steady state in IEC 60068-2-78	Anbotek Anbotek Anbo	otek P
poter p	Detachable parts removed and subjected, if necessary, to the humidity test with the main part	Anbotek Antotek	inbotek P
botek.	Humidity test for 48 h in a humidity cabinet	RH: 93%, temperature: 25℃	Amb P
Anbotel	Reassembly of those parts that may have been removed	otek Anbotek Anbotek	P
N. Vupe	The appliance withstands the tests of clause 16	abotek Anbote k Ant	Nek P
16	LEAKAGE CURRENT AND ELECTRIC STRENGTH	H	
16.1	Leakage current not excessive and electric strength adequate	Anbotek Anbotek	Prel
Anborek	Protective impedance disconnected from live parts before carrying out the tests	otek Anbotek Anbotek	No
k Anbo	Tests carried out at room temperature and not connected to the supply	Inbotek Anbotek Anbote	P P
16.2	Single-phase appliances: test voltage 1.06 times rated voltage (V):	240x1.06=254.4V	ibote P
Anborek	Three-phase appliances: test voltage 1.06 times rated voltage divided by √3 (V)	Anbotek Anbotek	Anbon N
Anbotek	Leakage current measurements:	(see appended table)	Р
Anbot	Limit values doubled if:	motek Anbotek Anbot	e⊬ N
tek va	- all controls have an off position in all poles, or	otek nabotek Anbo	N
lpotek w	- the appliance has no control other than a thermal cut-out, or	Anbotek Anbotek Ar	N _k
hotek	- all thermostats, temperature limiters and energy	hotek Ando.	Not

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Thore,	IEC 60335-1	ok abořek Anbo	1000
Clause	Requirement + Test	Result - Remark	Verdic
And	Totalk Upotak Wupon W. Wotak	nbote And And	lek.
stek Ar	- the appliance has radio interference filters	abotek Anbo. A.	Nyston
	With the radio interference filters disconnected, the leakage current do not exceed limits specified:	(see appended table)	N _k
16.3	Electric strength tests according to table 7	(see appended table)	AIRO*
Anbore	Test voltage applied between the supply cord and inlet bushing and cord guard and cord anchorage as specified	(see appended table)	N _{Arr}
tek Au	No breakdown during the tests	anbotek Anbo. A.	ote ^k P
17	OVERLOAD PROTECTION OF TRANSFORMERS CIRCUITS	AND ASSOCIATED	
Anbotek Anbotek	No excessive temperatures in transformer or associated circuits in event of short-circuits likely to occur in normal use:	(see appended table)	An N OT
ek Ant	Appliance supplied with 1.06 or 0.94 times rated voltage under the most unfavourable short-circuit or overload likely to occur in normal use (V)	Anbotek Anbotek Anbote	otek N
00°	Basic insulation is not short-circuited	Anbore All Motek	Inbot N
Anbotek Anbotek	Temperature rise of insulation of the conductors of safety extra-low voltage circuits not exceeding the relevant value specified in table 3 by more than 15 K	ek Anbotek Anbotek Anbotek Anbotek	Ani N te
	Temperature of the winding not exceeding the value specified in table 8	Anbotek Anbotek Anbo	N N
Anbotek A	However, limits do not apply to fail-safe transformers complying with sub-clause 15.5 of IEC 61558-1	Anbotek Anbotek A	nboteN Anbotel
18	ENDURANCE		
Anbois.	Requirements and tests are specified in part 2 when necessary	otek Anborek Antotek	N
19	ABNORMAL OPERATION	1 200	
19.1	The risk of fire, mechanical damage or electric shock under abnormal or careless operation obviated	Anbotek Anbotek A	ibotek P Anbotek
Anbotek	Electronic circuits so designed and applied that a fault will not render the appliance unsafe	(see appended table)	Р
Anbo	Appliances incorporating heating elements subjected to the tests of 19.2 and 19.3, and	nbotek Anbotek Anbot	ek N
potek Ar	if the appliance also has a control that limit the temperature during clause 11 it is subjected to the test of 19.4, and	Anbotek Anbotek An	oote ^k N Anbotek
apoles	if applicable, to the test of 19.5	- And And	No





hotek	IEC 60335-1	ok botek Anbore	b.i.
Clause	Requirement + Test	Result - Remark	Verdict
Aug	ak sporek Anbo. A. Stek	upote. Aug	Kek
	Appliances incorporating PTC heating elements are also subjected to the test of 19.6	Anbotek Anbotek An	iootekN
upotek	Appliances incorporating motors subjected to the tests of 19.7 to 19.10, as applicable	Anbotek Anbotek	Anbore
Anbotek	Appliances incorporating electronic circuits subjected to the tests of 19.11 and 19.12, as applicable	tek Anbotek Anbotek	N Anb
tek Ant	Appliances incorporating contactors or relays subjected to the test of 19.14, being carried out before the tests of 19.11	Anbotek Anbotek Anbo	potek N
Anbotek	Appliances incorporating voltage selector switches subjected to the test of 19.15	Anbotek Anbotek	Anbotel
Anbore	Unless otherwise specified, the tests are continued until a non-self-resetting thermal cut-out operates, or	ootek Aupotek Aupotek	N. D.
ek Vup	until steady conditions are established	Anbotek Anbor ak	otel P
potek Anbotek	If a heating element or intentionally weak part becomes open-circuited, the relevant test is repeated on a second sample	Anbotek Anbotek An	Inbot N
19.2 policies	Test of appliances with heating elements with restricted heat dissipation; test voltage (V), power input of 0.85 times rated power input (W)	otek Anbotek Anbotek	N _D o
19.3	Test of 19.2 repeated; test voltage (V), power input of 1.24 times rated power input (W):	Anbotek Anbotek Anb	otek N
19.4	Test conditions as in clause 11, any control limiting the temperature during tests of clause 11 short-circuited	Anbotek Anbotek	hbotek Anbotek
19.5 Anborek	Test of 19.4 repeated on Class 0I and I appliances with tubular sheathed or embedded heating elements. No short-circuiting, but one end of the element connected to the sheath	otek Anbotek Anbotek	N _{po} ,
otek Ar	The test repeated with reversed polarity and the other end of the heating element connected to the sheath	Anbotek Anbotek Anbotek A	nbotek
Anbotek Anbotek	The test is not carried out on appliances intended to be permanently connected to fixed wiring and on appliances where an all-pole disconnection occurs during the test of 19.4	stek Anbotek Anbotek	N Anbor
19.6	Appliances with PTC heating elements tested at rated voltage, establishing steady conditions	Potek Vupotek Vupo	N



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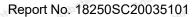


Report No. 18250SC20035101

botek	IEC 60335-1	ok botek Anbo	Pr.
Clause	Requirement + Test	Result - Remark	Verdic
hbotek Anbotek	The working voltage of the PTC heating element is increased by 5% and the appliance is operated until steady conditions are re-established. The voltage is then increased in similar steps until 1.5 times working voltage or until the PTC heating element ruptures (V)		Anborek
19.7	Stalling test by locking the rotor if the locked rotor torque is smaller than the full load torque, or	hotek Anbotek Anbotek	P ^{ATI}
isk Aul	locking moving parts of other appliances	anbotek Anbote An	N-Yero
botek	Locked rotor, capacitors open-circuited one at a time	Aupotek Pupotek Mu	Anboi Ne
Anborek	Test repeated with capacitors short-circuited one at a time, unless	ak Anbotek Anbotek	PL NO.
abote	the capacitor is of class S2 or S3 of IEC 60252-1	stek anbotek Anbotes	N
ek Anb	Appliances with timer or programmer supplied with rated voltage for each of the tests, for a period equal to the maximum period allowed:	Anbotek Anbotek Anbotek Ant	otek N
Anbotek Anbotek	An electronic timer or programmer that operates to ensure compliance with the test before the maximum period under the conditions of Clause 11 is reached, is a protective electronic circuit	Anbotek Anbotek Anbotek Anbotek	Anbore Anbore
y Aupois	Other appliances supplied with rated voltage for a period as specified:	potek Aupotek Aupotel	Р
otek P	Winding temperatures not exceeding values specified in table 8	(see appended table)	P
19.8	Multi- phase motors operated at rated voltage with one phase disconnected	Anbotek Anbotek	Anb Ne
19.9	Running overload test on appliances incorporating motors intended to be remotely or automatically controlled or liable to be operated continuously	otek Anbotek Anbotek	IN ^o
nbotek And	Motor-operated and combined appliances for which 30.2.3 is applicable and that use overload protective devices relying on electronic circuits to protect the motor windings, are also subjected to the test	Anbotek Anbotek Anbotek Anbotek Anbotek	botek Anbotek
Anborek	Winding temperatures not exceeding values as specified	(see appended table)	PN
19.10	Series motor operated at 1.3 times rated voltage for 1 min (V)	hotek Anbotek Anbo	N N
botek An	During the test, parts not being ejected from the appliance	Anbotek Anbotek An	potek N
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	Anbotek Anbotek	Anbo



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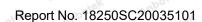




IEC 60335-1 Maria				
Clause	Requirement + Test	Result - Remark	Verdic	
Arra	Lotek Anbotek Anbo M. Abotek A	upote Aug Siek Wood	KEK	
tek bu	they comply with the conditions specified in 19.11.1	upotek Anbo	NYStoo	
	Appliances incorporating an electronic circuit that relies upon a programmable component to function correctly, subjected to the test of 19.11.4.8, unless	Anbotek Anbotek Anbotek	Aupotek Pupotek	
botek	restarting does not result in a hazard	ek nbotek Anbote	N	
ek Anto	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	botek Anbotek Anbotek Anbotek Anbot	N ^M	
Anbotek Anbotek	If the safety of the appliance under any of the fault conditions depends on the operation of a miniature fuse-link complying with IEC 60127, the test of 19.12 is carried out	Anbotek Anbotek Anbotek Anbotek	Anborr	
hote	During and after each test the following is checked:	tek anbotek Anbore	N	
k Ant	- the temperature of the windings do not exceed the values specified in table 8	anbotek Anbotek Anbot	otek N	
otek l	- the appliance complies with the conditions specified in 19.13	Anbotek Anbotek	Miodin	
Anbotek	- any current flowing through protective impedance not exceeding the limits specified in 8.1.4	Anbotek Anbotek	AnN	
k Anbore	If a conductor of a printed board becomes open-circu considered to have withstood the particular test, proviously are met:		rek -	
otek p	- the base material of the printed circuit board withstands the test of Annex E	Anbotek Anbotek Anb	nboreN	
Anbotek Anbotek	- any loosened conductor does not reduce clearance or creepage distances between live parts and accessible metal parts below the values specified in clause 29	K Anbotek Anbotek	AnbNie	
19.11.1 _{pm}	Fault conditions a) to g) in 19.11.2 are not applied to meeting both of the following conditions:	circuits or parts of circuits	N N	
upotek Ar	- the electronic circuit is a low-power circuit, that is, the maximum power at low-power points does not exceed 15 W according to the tests specified	Anbotek Anbotek A	ibote ^K N Anbote ^K	
Anbotek Anbotek	- the protection against electric shock, fire hazard, mechanical hazard or dangerous malfunction of other parts of the appliance does not rely on the correct functioning of the electronic circuit	hotek Anbotek Anbotek	AN O	
19.11.2	Fault conditions applied one at a time, the appliance specified in clause 11, but supplied at rated voltage, specified:		potek-	
Anbotek	a) short circuit of functional insulation if clearances or creepage distances are less than the values specified in clause 29	Aupotek Aupotek	Anbo	



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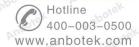
hotek	IEC 60335-1	ak bojek Anbois	Direction
Clause	Requirement + Test	Result - Remark	Verdict
Ans.	Totek oupolek Aujon Welk Johnsk b	upote August	SK b
oten Au	b) open circuit at the terminals of any component	Aupoter Aup	PoteM
inpoter.	c) short circuit of capacitors, unless	Anbotek Anbo tek	Ny
Motek	they comply with IEC 60384-14	upotek Aupo,	N N
Anbotek	d) short circuit of any two terminals of an electronic component, other than integrated circuits	tek Anbotek Anbotek	AN
k Anbore	This fault condition is not applied between the two circuits of an optocoupler	abotek Anbote Anbot	ek N
Die Viv.	e) failure of triacs in the diode mode	Anbor ok An botek An	N Property
nbore	f) failure of microprocessors and integrated circuits	Aupole Aug	Anbo'N
Auporen	g) failure of an electronic power switching device	Anbores Anbo	Notek
Anbotel Anbotel	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	ek Anbotek Anbotek botek Anbotek Anbote	N Arbo
19.11.3	If the appliance incorporates a protective electronic circuit that operates to ensure compliance with clause 19, the appliance is tested as specified	Anbotek Anbotek Anb	inposek N
19.11.4	Appliances having a device with an off position obtained by electronic disconnection, or	ak Anbotek Anbotek	An N
Anboren	a device that can be placed in the stand-by mode,	otek Anboten Anbo	N a
botek Anbo	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	Anbotek Anbotek Anbo	stok N
Anbotek Anbotek Anbotek	Appliances incorporating a protective electronic circuit subjected to the tests of 19.11.4.1 to 19.11.4.7, the tests being carried out after the protective electronic circuit has operated, except that	Anbotek Anbotek Anbotek	Nek Anbore Anbore
otek Anbo	appliances operated for 30 s or 5 min during the test of 19.7 are not subjected to the tests for electromagnetic phenomena.	inbotek Anbotek Anbo	hek N
botek	Surge protective devices disconnected, unless	Anborek Anbores Ar	N
hotek	They incorporate spark gaps	, botek Anbotek	And N
19.11.4.1	The appliance is subjected to electrostatic discharges in accordance with IEC 61000-4-2, test level 4	stek Aupotek Aupotek	Anb Anb
19.11.4.2	The appliance is subjected to radiated fields in accordance with IEC 61000-4-3, at frequency ranges specified	Anbotek Anbotek Anbo	oo _{tek} N
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	Anbotek Anbotek	Anbotel





Choter	IEC 60335-1	rick Ambores And	
Clause	Requirement + Test	Result - Remark	Verdic
Ann	ok botek Anbo Ar stek	upote Ant bo	rek.
19.11.4.4	The power supply terminals of the appliance subjected to voltage surges in accordance with IEC 61000-4-5, test level 3 or 4 as specified	Anbotek Anbotek An	pote ^k N
Anbotek	An open circuit test voltage of 2 kV is applicable for the line-to-line coupling mode	Anbotek Anbotek	N _{ot}
Anbore	An open circuit test voltage of 4 kV is applicable for the line-to-earth coupling	botek Anbotek Anbotek	N _r rl
ek Ant	Earthed heating elements in class I appliances disconnected	Anbotek Anbotek Anbo	ootek N
19.11.4.5	The appliance is subjected to injected currents in accordance with IEC 61000-4-6, test level 3	Anbotek Anbotek	Anbo'N ^k
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	ek Anbotek Anbotek	Anh Ant
otek Anb	Appliances having a rated current exceeding 16 A are subjected to the Class 3 voltage dips and interruptions in accordance with IEC 61000-4-34	Anbotek Anbotek Anbot	otek N
19.11.4.7	The appliance is subjected to mains signals in accordance with IEC 61000-4-13, test level class 2	Anbotek Anbotek	unbote N
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	orek Anborek Anborek Anborek Anborek Anborek	N Alib
otek A	The appliance continues to operate normally, or	aupotek Aupon ak	noteN
botek	requires a manual operation to restart	abotek Anbote P	Ne
19.12	If the safety of the appliance for any of the fault conditions specified in 19.11.2 depends on the operation of a miniature fuse-link complying with IEC 60127, the test is repeated, measuring the current flowing through the fuse-link; measured current (A); rated current of the fuse-link (A)	otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	ek A
19.13	During the tests the appliance does not emit flames, molten metal, poisonous or ignitable gas in hazardous amounts	Anbotek Anbotek Ar	hootek Anbotek
Anbotek	Temperature rises not exceeding the values shown in table 9	(see appended table)	P
Anbot	Compliance with clause 8 not impaired	hotek Anboten Anbo	e ^N P
rek An	If the appliance can still be operated it complies with 20.2	Anbotek Anbotek Anbo	potekN
Anbotek	Insulation, other than of class III appliances or class contain live parts, withstands the electric strength tesspecified in table 4:		AnboPik

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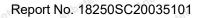




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Dis.	- 16/4 - 1/20 M	Ole VIII.	1000
Clause	Requirement + Test	Result - Remark	Verdic
ek bi.	hasia in Maties AA	upo. Hi Potek Aupo,	- D
Dre An	- basic insulation (V)	Aupole Aur	PosteVP
nbotek	- supplementary insulation (V)	Anbotek Anbo	Pek
anbotek	- reinforced insulation (V):	anbotek Anbo	PI. Pose
Anbotek Anbote tek Ant	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	lek Anbotek Anbotek	Ant Ant
hotek	The appliance does not undergo a dangerous malfunction, and	Anbotek Anbotek An	Anbotek Anbotek
Anbotek	no failure of protective electronic circuits, if the appliance is still operable	Anbotek Anbotek	Miles
	Appliances tested with an electronic switch in the off mode:	position, or in the stand-by	K Nup.
ek Anb	- do not become operational, or	botek Anbote And	otek N
hotek A	- if they become operational, do not result in a dangerous malfunction during or after the tests of 19.11.4	Anbotek Anbotek Ant	inbotek hotek
Anbotek	If the appliance contains lids or doors that are contro one of the interlocks may be released provided that:	lled by one or more interlocks,	Anbo
	- the lid or door does not move automatically to an open position when the interlock is released, and	Sotek Anbotek Anbote	N pr
otek A	- the appliance does not start after the cycle in which the interlock was released	Anbotek Anbotek Anb	N
19.14	Appliances operated under the conditions of clause 11, any contactor or relay contact operating under the conditions of clause 11 being short-circuited	Anbotek Anbotek	Anboi Anboi
K Anbore	For a relay or contactor with more than one contact, all contacts are short-circuited at the same time	otek Anbotek Anbotek	N
otek Ar	A relay or contactor operating only to ensure the appliance is energized for normal use is not short-circuited	Anbotek Anbotek Anbo	lootek N
Anbotek	If more than one relay or contactor operates in clause 11, they are short-circuited in turn	Anbotek Anbotek	Anb N
19.15	For appliances with a mains voltage selector switch, the switch is set to the lowest rated voltage position and the highest value of rated voltage is applied	nbotek Anbotek Anbotek	N Anh
20	STABILITY AND MECHANICAL HAZARDS		
20.1	Appliances having adequate stability	1010 VIII.	nboN ^e







botek	IEC 60335-1	ok botek Anbors	b1.
Clause	Requirement + Test	Result - Remark	Verdict
otek And	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	Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
Anbotek	Tilting test repeated on appliances with heating elements, angle of inclination increased to 15°	tek Anbotek Anbotek	AN O
tek Anbot	Possible heating test in overturned position; temperature rise does not exceed values shown in table 9	anbotek Anbotek Anbot	ek N
20.2	Moving parts adequately arranged or enclosed as to provide protection against personal injury	Anbotek Anbotek An	Anboi Pr
Anborek	Protective enclosures, guards and similar parts are non-detachable, and	ek Anbotek Anbotek	AUDO10
nbote	have adequate mechanical strength	otek Anbotek Anbote	P
ek Ant	Enclosures that can be opened by overriding an interlock are considered to be detachable parts	Anbotek Anbotek Anbot	otek N
Anbotek I	Self-resetting thermal cut-outs and overcurrent protective devices not causing a hazard by unexpected closure	Anbotek Anbotek	inbotN.
Anbote	Not possible to touch dangerous moving parts with the test probe described	ak Anbotek Anb	Nip
21	MECHANICAL STRENGTH		
21.1	Appliance has adequate mechanical strength and is constructed as to withstand rough handling	Anbotek Anbotek Anb	otek
Anbotek Anbotek	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)	Anborek Anborek
k Anbo	The appliance shows no damage impairing compliance with this standard, and	hotek Anbotek Anbotek	PA
otek by	compliance with 8.1, 15.1 and clause 29 not impaired	Anbotek Anbotek Anbo	lootelP
inbotek abotek	If doubt, supplementary or reinforced insulation subjected to the electric strength test of 16.3	Anbotek Anbotek	Arib NºM
Anborek	If necessary, repetition of groups of three blows on a new sample	stek Anbotek Anbotek	PÑ
21.2	Accessible parts of solid insulation having strength to prevent penetration by sharp implements	abotek Anbotek Anbo	e ^k P
hotek A	Test not applicable if the thickness of supplementary insulation is at least 1 mm and reinforced insulation at least 2 mm	Anbotek Anbotek An	oore P Anbotek
Anborek	The insulation is tested as specified, and does withstand the electric strength test of 16.3	ek abotek Anbotek	PN





Au- Potek	Anbotel Anbo	IEC 60335-1	Ar botek	Anboten	Anbo
Clause	Requirement + Test	abotek Ant	Result - Remark	Anborek	Verdict

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br.	ok note. The yek	Upo. By	10.
22	CONSTRUCTION		
22.1	Appliance marked with the first numeral of the IP system, relevant requirements of IEC 60529 are fulfilled	Anbotek Anbotek Ar	Anbore
22.2	Stationary appliance: means to ensure all-pole disco provided:	nnection from the supply being	Anb
Aupo	- a supply cord fitted with a plug, or	botek Anbo sk sbot	e ^K P p
JASK DI	- a switch complying with 24.3, or	anbotek Anbott An	otel P
Aupotek Vpotek	- a statement in the instruction sheet that a disconnection incorporated in the fixed wiring is to be provided, or	Anbotek Anbotek An	Anbor Ne
Anbotek	- an appliance inlet	ek Anbotek Anbo	N
tek Anbot	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	botek Anbotek Anbot Anbotek Anbotek Anbot Anbotek Anbotek Anbotek	otek otek
22.3	Appliance provided with pins: no undue strain on socket-outlets	Anbotek Anbotek	Aup Otek
Aupo,	Applied torque not exceeding 0.25 Nm	ek Aupon An apolek	Noo
otek Anton	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	Anbotek Anbotek Anbotek Anbote	otek N Ari
Aupotek	Each pin subjected to a torque of 0.4Nm; the pins are not rotating, unless	Anbotek Anbotek	Nek Anbotek
Anbore	rotating does not impair compliance with this standard	Anborek Anborek	Noot
22.4	Appliance for heating liquids and appliance causing undue vibration not provided with pins for insertion into socket-outlets	Inbotek Anbotek Anbote	lok N Vu
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	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
k - 400	Voltage not exceeding 34 V (V):	tek nbotek Anbotes	P PAGE
otek A	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	Anbotek Anbotek Anbo	N P
Anbotek	The discharge test is then repeated three times, voltage not exceeding 34 V (V)	Anbotek Anbotek	Anborn N

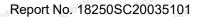




hotek	IEC 60335-1	ok bojek Anbo	bre
Clause	Requirement + Test	Result - Remark	Verdict
Aupo	ak hotek Anbort Art	abotek Anbo	ek.
22.6	Electrical insulation not affected by condensing water or leaking liquid	Anbotek Anbotek An	looteVN
nbotok	Electrical insulation of Class II appliances not affected if a hose ruptures or seal leaks	Anbotek Anbotek	Anb N
potek	In case of doubt, test as described	ek abotek Anbote	N
22.7	Adequate safeguards against the risk of excessive pressure in appliances containing liquid or gases or having steam-producing devices	abotek Anbotek Anbotek	ek N
22.8	Electrical connections not subject to pulling during cleaning of compartments to which access can be gained without the aid of a tool, and that are likely to be cleaned in normal use	Anbotek Anbotek An	Anbotek Anbotek
22.9	Insulation, internal wiring, windings, commutators and slip rings not exposed to oil, grease or similar substances, unless	ootek Anbotek Anbotek	P _{Anb}
ek Anb	the substance has adequate insulating properties	Anborek Anbo tek	otek N
22.10	Not possible to reset voltage-maintained non-self- resetting thermal cut-outs by the operation of an automatic switching device incorporated within the appliance, if:	Anbotek Anbotek Anbotek Anbotek	Anbotel
	- a non-self-resetting thermal cut-out is required by the standard, and	otek Anbotek Anbotek	N ^D
kek Anbr	- a voltage maintained non-self-resetting thermal cut-out is used to meet it	Anbotek Anbotek Anb	N Vert
rupotek	Non-self-resetting thermal motor protectors have a trip-free action, unless	Anbotek Anbotek	nbotel N
abotek	they are voltage maintained	k nbořek Anboře	N
k Anbotek	Reset buttons of non-self-resetting controls so located or protected that accidental resetting is unlikely	otek Anbotek Anbotel	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	Anbotek Anbotek Anbo	P
Anbotek	Obvious locked position of snap-in devices used for fixing such parts	Anbotek Anbotek	Anbo
Anbore	No deterioration of the fixing properties of snap-in devices used in parts that are likely to be removed during installation or servicing	nbotek Anbotek Anbotek	PAT
yek An	Tests as described	Anborek Anbor An	ore ^k P
22.12	Handles, knobs etc. fixed in a reliable manner, if loosening result in a hazard	Aupotek Aupoter Ar	anbo Pk

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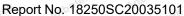






aborek.	IEC 60335-1	ok botek Anbo	160
Clause	Requirement + Test	Result - Remark	Verdic
tek Ar	Removing or fixing in wrong position of handles, knobs etc. indicating position of switches or similar components not possible, if resulting in a hazard	Anborek Anborek Anborek Anborek	ore N
Anbotek	A choking hazard does not apply to appliances for commercial use	Anbotek Anbotek	Anbot Anbot
Anbo	Axial force 15 N applied to parts, the shape being so that an axial pull is unlikely to be applied	hotek Anbotek Anbotek	N _r
iek An	Axial force 30 N applied to parts, the shape being so that an axial pull is likely to be applied	Anbotek Anbotek Anbo	ootek P
Aupotek Voter	If the part is removed and can be contained within the small parts cylinder, it is considered to be a choking hazard	Anbotek Anbotek	Anboin Anbois
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	botek Anbotek Anbotek	N _c
22.14	No ragged or sharp edges creating a hazard for the user in normal use, or during user maintenance	Anbotek Anbotek Ant	P
Anbotek	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	ek Anbotek Anbotek	Ant Nee
22.15	Storage hooks and the like for flexible cords smooth and well rounded	botek Anbotek Anbotel	N
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	Anbotek Anbotek Anb	nbotek N
Anbotek	Cord reel tested with 6000 operations, as specified	ek Aupoles Aupo	N
Anbore	Electric strength test of 16.3, voltage of 1000 V applied	ortek Anborek Anborek	N
22.17	Spacers not removable from the outside by hand or by means of a screwdriver or a spanner	Inpotek Aupotek Aupo	N
22.18	Current-carrying parts and other metal parts resistant to corrosion	Anbotek Anbotek A	Anboisk
22.19	Driving belts not relied upon to provide the required level of insulation, unless	tek Anborek Anborek	No
200	constructed to prevent inappropriate replacement	tek nbotek Anbotek	N N
22.20	Direct contact between live parts and thermal insulation effectively prevented, unless	Anbotek Anbotek Anbo	N
lpotek	material used is non-corrosive, non-hygroscopic and non-combustible	Anbotek Anbotek An	Aupo NK
22.21	Wood, cotton, silk, ordinary paper and fibrous or hygroscopic material not used as insulation, unless	Aupotek Aupotek	PIPO







Ans hotek	IEC 60335-1	nok potek Anbotek	Aupo
Clause	Requirement + Test	Result - Remark	Verdict
VUL	Liek sporek Anbour A Sorek	upote And abo	iek b
otek An	impregnated	-apotek Anbo. K	Nyston
nbotek Anbotek	This requirement does not apply to magnesium oxide and mineral ceramic fibres used for the electrical insulation of heating elements	Anbotek Anbotek An	N/k Anborel
22.22	Appliances not containing asbestos	tek Anborek Anbore	P
22.23	Oils containing polychlorinated biphenyl (PCB) not used	botek Anbotek Anbote	P P
22.24	Bare heating elements, except in class III appliances or class III constructions that do not contain live parts, adequately supported	Anbotek Anbotek An	otek N Ambotek
Anbotek	In case of rupture, the heating conductor is unlikely to come in contact with accessible metal parts	Anbotek Anbotek	Andrek
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	ootek Anbotek Anbotek	N nbe
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	Anbotek Anbotek Anbotek Anbotek	Anbotek
22.27	Parts connected by protective impedance separated by double or reinforced insulation	otek Anbotek Anbotek	N ^{nb}
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	Anbotek Anbotek Anb	upotek
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	k Anbotek Anbotek	Anbote
22.30	Parts serving as supplementary or reinforced insulation fixed so that they cannot be removed without being seriously damaged, or	Inbotek Anbotek Anbotek	N Am
Anbotek Anbotek	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	Anbotek Anbotek Arbotek	Anbotek
22.31	Neither clearances nor creepage distances over supplementary and reinforced insulation reduced below values specified in clause 29 as a result of wear	nbotek Anbotek Anbotek	P _{Anb}
upotek V	Neither clearances nor creepage distances between live parts and accessible parts reduced below values for supplementary insulation if wires, screws etc. become loose	Anbotek Anbotek An	P Anbotek

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hotek	IEC 60335-1	ok botek Anbor	br.
Clause	Requirement + Test	Result - Remark	Verdic
All A	Totak Pupokak Pupo	upote Aurolak Aupol	lek 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	Anbotek Anbotek An	Anbotek Anbotek
Anbotek Anbotek	Supplementary insulation of natural or synthetic rubber resistant to ageing, or arranged and dimensioned so that creepage distances are not reduced below values specified in 29.2	lek Anbotek Anbotek	AN An
tek Anti	Ceramic material not tightly sintered, similar materials or beads alone not used as supplementary or reinforced insulation	Anbotek Anbotek Ant	otek N
Anbotek Anbotek	Ceramic and similar porous material in which heating conductors are embedded is considered to be basic insulation, not reinforced insulation	ek Anbotek Anbotek	Anto
Anbore	Oxygen bomb test at 70 °C for 96 h and 16 h at room temperature	ootek Anbotek Anbote	N N
22.33	Conductive liquids that are or may become accessible in normal use and conductive liquids that are in contact with unearthed accessible metal parts are not in direct contact with live parts, or	Anbotek Anbotek Anbotek	inbotek
Anboten	unearthed metal parts separated from live parts by basic insulation only	k Anbotek Anbotek	N
And	Electrodes not used for heating liquids	sole. And otek Anbore	N P
Anbotek 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	Anbotek Anbotek Anbotek Anbotek Anbotek	nborek Anborek
Aupor	the reinforced insulation consists of at least 3 layers	Aupo, by polek	Noc
Anboro Anbor	For class II constructions, conductive liquids which are in contact with live parts, not in direct contact with reinforced insulation, unless	otek Anbotek Anbotek	N A
oter VL	the reinforced insulation consists of at least 3 layers	Anbores Anbo	,boteN
Anbotek Anbotek	An air layer not used as basic or supplementary insulation in a double insulation system if likely to be bridged by leaking liquid	Anbotek Anbotek	Anbol
22.34	Shafts of operating knobs, handles, levers etc. not live, unless	Tek Aupotek Aupotek	PAR
stek An	the shaft is not accessible when the part is removed	upotek Aupotek Aupo	N
22.35	For other than class III constructions, handles, levers and knobs, held or actuated in normal use, not becoming live in the event of a failure of basic insulation	Anbotek Anbotek	Anbot Anbot





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-potel	IEC 60335-1	ok sporen And	
Clause	Requirement + Test	Result - Remark	Verdic
tek Anbotek Anbotek	Such parts being of metal, and their shafts or fixings are likely to become live in the event of a failure of basic insulation, are either adequately covered by insulation material or their accessible parts are separated from their shafts or fixings by supplementary insulation	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	ootek Anbotek Anbot
ootek Vupo,	This requirement does not apply to handles, levers and knobs on stationary appliances and cordless appliances, other than those of electrical components, provided they are reliably connected to an earthing terminal or earthing contact, or separated from live parts by earthed metal	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N ⁱⁿ botek Anbotek
Anborek	Insulating material covering metal handles, levers and knobs withstand the electric strength test of 16.3 for supplementary insulation	lek Anbotek Anbotek	Anh Anh
22.36	For appliances other than class III, handles continuously held in the hand in normal use so constructed that when gripped as in normal use, the operators hand is not likely to touch metal parts, unless	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	k N otek
Aupo, ek	they are separated from live parts by double or reinforced insulation	ek Anbotek Anbotek	AUN
22.37	Capacitors in Class II appliances not connected to accessible metal parts and their casings, if of metal, separated from accessible metal parts by supplementary insulation, unless	Anbotek Anbotek Anbote	N N
oler l	the capacitors comply with 22.42	Anbores Anbo	nboteN
22.38	Capacitors not connected between the contacts of a thermal cut-out	Anbotek Anbotek	AntoNe
22.39	Lamp holders used only for the connection of lamps	Anbotek Anbotek	N
22.40	Motor-operated appliances and combined appliances intended to be moved while in operation, or having accessible moving parts, fitted with a switch to control the motor. The actuating member of the switch being easily visible and accessible	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N P tek Anbotek
Anbotek Anbotek	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	atek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	ek Ando
22.41	No components, other than lamps, containing mercury	Anbotek Anbotek Ar	N _k
22.42	Protective impedance consisting of at least two separate components	Walter August	PL/No,





poler	IEC 60335-1	ok bojek Anbo	177
Clause	Requirement + Test	Result - Remark	Verdict
VUC	Anbo Anbo Arek	upore Ana	Ch
	Values specified in 8.1.4 not exceeded if any one of the components are short-circuited or open-circuited	Anbotek Anbotek Ar	potekN botek
Anbotek	Resistors checked by the test of 14.1 a) in IEC 60065	Anbotek Anbotek	Note
Anbor	Capacitors checked by the tests for class Y capacitors in IEC 60384-14	botek Anbotek Anbotek	N _{co} t
22.43	Appliances adjustable for different voltages, accidental changing of the setting of the voltage unlikely to occur	Anbotek Anbotek Anbo	otek N
22.44	Appliances not having an enclosure that is shaped or decorated like a toy	Anbotek Anbotek	Anbore
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	ootek Anbotek Anbotek	R And
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	Anbotek Anbotek Ant	N Inbotel
	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	botek Anbotek Anbotek	Hek A
	These requirements are not applicable to software used for functional purpose or compliance with clause 11	Anbotek Anbotek Anb	nbote ^N
22.47	Appliances connected to the water mains withstand the water pressure expected in normal use	k Anbotek Anbotek	Anbo
k Anbo	No leakage from any part, including any inlet water hose	otek Anbotek Anbotek	N _P
22.48	Appliances connected to the water mains constructed to prevent backsiphonage of non-potable water	Anbotek Anbotek Anbo	N botek Stek
22.49	For remote operation, the duration of operation is to be set before the appliance can be started, unless	Anbotek Anbotek	Anbot
Anbores	the appliance switches off automatically or can operate continuously without hazard	tek Anbotek Anbotek	N
22.50	Controls incorporated in the appliance take priority over controls actuated by remote operation	hootek Anbotek Anbo	N
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	Anbotek Anbotek An	Anbolik





Clause	Requirement + Test	Result - Remark	Verdic
Jiause	Requirement + Test	Result - Remark	verdic
tek An	There is a visual indication showing that the appliance is adjusted for remote operation	Anbotek Anbotek Anbo	oote N
hotek	These requirements not necessary on appliances that without giving rise to a hazard:	at can operate as follows,	Aup N
, abotek	- continuously, or	rek nbotek Anbote	N
h. abote	- automatically, or	tek abotek Anbote	N
ok "k	- remotely	born Anborek Anbor	N
22.52	Socket-outlets on appliances accessible to the user in accordance with the socket-outlet system used in the country in which the appliance is sold	Anbotek Anbotek An	ooter N Anbotek
22.53	Class II appliances and class III appliances that incorporate functionally earthed parts have at least double insulation or reinforced insulation between live parts and the functionally earthed parts	ek Anbotek Anbotek	And And
22.54	Button cells and batteries designated R1 not accessible without the aid of a tool, unless	Anbotek Anbotek Ant	otek N
Anbotek Anbotek	the cover of their compartment can only be opened after at least two independent movements have been applied simultaneously	Anbotek Anbotek	Anbotel
22.55	Devices operated to stop the intended function of the appliance, if any, are be distinguished from other manual devices by means of shape, size, surface texture or position	otek Anbotek Anbotek	N ₁₀
otek M	The requirement concerning position does not preclude use of a push on push off switch	Anbotek Anbotek And	nboreN
'upote	An indication when the device has been operated is	given by:	AUp Uter
Anbore	tactile feedback from the actuator or from the appliance, or	Anbotek Anbotek	Noc
r _po,	– reduction in heat output; or	or Anbores	_ N [≥]
-K Bu	– audible and visible feedback	upote Aupt	N
22.56	Detachable power supply part provided with the part of class III construction	Anbotek Anbotek A	boteN hotek
22.57	The properties of non-metallic materials do not degrade from exposure to UV-C radiation, as specified in Annex T	Anbotek Anbotek	Anbo
Anboh	This requirement does not apply to glass, ceramics or similar materials	nbotek Anbotek Anbotek	SK N
23	INTERNAL WIRING	V	
23.1	Wireways smooth and free from sharp edges	aupotek Aupo k	, oP ^{//}
Lotek .	Wires protected against contact with burrs, cooling	Potek Aupoter.	P

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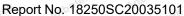




hoter	IEC 60335-1	ak hoter And	16.
Clause	Requirement + Test	Result - Remark	Verdic
iek Vi	Wire holes in metal well-rounded or provided with bushings	Anbotek Anbotek Anbo	oote N
potek.	Wiring effectively prevented from coming into contact with moving parts	Anbotek Anbotek	Aupotek
23.2 Anborek	Beads etc. on live wires cannot change their position, and are not resting on sharp edges	tek Anbotek Anbotek	N An
ek vu	Beads inside flexible metal conduits contained within an insulating sleeve	botek Anbotek Anbot	N N
23.3	Electrical connections and internal conductors movable relatively to each other not exposed to undue stress	Anbotek Anbotek An	Anborek Anborek
Anbotek Anv	Flexible metallic tubes not causing damage to insulation of conductors	ek Anbotek Anbotek	AN
Anbor	Open-coil springs not used	botek Anbotek Anbo	ν N
ik bu	Adequate insulating lining provided inside a coiled spring, the turns of which touch one another	Anbotek Anbotek Anb	otek N
otek	No damage after 10 000 flexings for conductors flexed during normal use, or	Anbotek Anbotek	inbotek N
Aupotek	100 flexings for conductors flexed during user maintenance	ek Anbotek Anbotek	An N Ant
k Anbo	Electric strength test of 16.3, 1000 V between live parts and accessible metal parts	Botek Anbotek Anbotel	N N
otek l	Not more than 10% of the strands of any conductor broken, and	Anbotek Anbotek Anb	upotek N
	not more than 30% for wiring supplying circuits that consume no more than 15W	Anbotek Anbotek	AnbNe
3.4	Bare internal wiring sufficiently rigid and fixed	And Lotek Anbotek	N
3.5 Amb	The insulation of internal wiring subjected to the supply mains voltage withstanding the electrical stress likely to occur in normal use	oren Andorek Anborek	P
lootek b	Basic insulation electrically equivalent to the basic insulation of cords complying with IEC 60227 or IEC 60245, or	Anbotek Anbotek Ar	ibotek Anbotel
Anborek	no breakdown when a voltage of 2000 V is applied for 15 min between the conductor and metal foil wrapped around the insulation	tek Anbotek Anbotek	APO ^C
ek Anbo	For class II construction, the requirements for supplementary insulation and reinforced insulation apply,	Anbotek Anbotek Anbot	ootek N
potek	except that the sheath of a cord complying with IEC 60227 or IEC 60245 may provide supplementary insulation.	Anbotek Anbotek	Anb N

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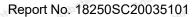




hotel	IEC 60335-1	ok bořek Anbor	br.
Clause	Requirement + Test	Result - Remark	Verdic
Aug	Lek spotek Anbo K. Stek	upore Aug OK Po	46K
	A single layer of internal wiring insulation does not provide reinforced insulation	Anbotek Anbotek An	N ^y ooteVN
23.6	Sleeving used as supplementary insulation on internal wiring retained in position by clamping at both ends, or	Anbotek Anbotek	Anbot Anbot
Anbo	be such that it can only be removed by breaking or cutting	hotek Anbotek Anbotek	Pari
23.7	The colour combination green/yellow only used for earthing conductors	Anbotek Anbotek Anbo	potek P
23.8	Aluminium wires not used for internal wiring	Anbores And otek	nbo'Pk
23.9	Stranded conductors not consolidated by soldering where they are subjected to contact pressure, unless	ek Anbotek Anbotek	Anh
Anbo	the contact pressure is provided by spring terminals	potek Anbore Ans	N ,
23.10 N	The insulation and sheath of internal wiring, incorporated in external hoses for the connection of an appliance to the water mains, at least equivalent to that of light polyvinyl chloride sheathed flexible cord (60227 IEC 52)	Anbotek Anbotek Anbotek Anbotek Anbotek	anbotek Anbotek
24	COMPONENTS		
24.1 _{prib} oti	Components comply with safety requirements in relevant IEC standards	otek Anbotek Anbote	P
An	List of components	(see appended table)	otek P
hotek	Motors not required to comply with IEC 60034-1, they are tested as part of the appliance	Anbotek Anbotek	nboreN
Vun Potek	Relays tested as part of the appliance, or	Ansotek Anbotek	Anbo
Anbore	alternatively acc. to IEC 60730-1, and meeting the additional requirements in IEC 60335-1	otek Anbotek Anbotek	N
otek Anb	The requirements of Clause 29 apply between live parts of components and accessible parts of the appliance	Anbotek Anbotek Anb	hotek P
,nbotek Anbotek	Components can comply with the requirements for clearances and creepage distances for functional insulation in the relevant component standard	Anbotek Anbotek A	Aupolek
Anborel Anbr	30.2 of this standard apply to parts of non-metallic material in components including parts of non-metallic material supporting current-carrying connections	hek Anbotek Anbotek Anbotek Anbotek Anbotek	P
botek	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	Anbotek Anbotek Ar	Aupotek

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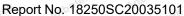






hotek.	IEC 60335-1	ok botek Anbote	Ans
Clause	Requirement + Test	Result - Remark	Verdict
nbotek Anbotek	Components that have been previously tested to comply with the resistance to fire requirements in the IEC standard for the relevant component need not be retested provided the specified conditions are met	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	potekP Anbotek
Aupote,	If these conditions are not satisfied, the component is tested as part of the appliance.	tek Anboter Anb	PAN
tek Aut	Power electronic converter circuits not required to comply with IEC 62477-1, they are tested as part of the appliance	Anbotek Anhotek Anbot	N potek
Anbotek Anbotek	If components have not been tested and found to comply with relevant IEC standard for the number of cycles specified, they are tested in accordance with 24.1.1 to 24.1.9	ek Anbotek Anbotek	Anbore
	For components mentioned in 24.1.1 to 24.1.9 no additional tests specified in the relevant component standard are necessary other than those specified in 24.1.1 to 24.1.9	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	k P
Anbotek Anbotek	Components not tested and found to comply with relevant IEC standard and components not marked or not used in accordance with its marking, tested under the conditions occurring in the appliance	Anbotek Anbotek Anbotek Anbotek	Anbotel
otek Anbore	Lampholders and starterholders that have not being tested and found to comply with the relevant IEC standard, tested as a part of the appliance and additionally according to the gauging and interchangeability requirements of the relevant IEC standard	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	otek nbotek
Anbotek Anbotek	No additional tests specified for nationally standardized plugs such as those detailed in IEC/TR 60083 or connectors complying with the standard sheets of IEC 60320-1 and IEC 60309	otek Anbotek Anbotek	And N
24.1.1 M	Capacitors likely to be permanently subjected to the supply voltage and used for radio interference suppression or for voltage dividing, comply with IEC 60384-14	Anbotek Anbotek Anbotek Anbo	lek N
Anbotek	If the capacitors have to be tested, they are tested according to Annex F	Anbotek Anbotek	Anbo
24.1.2	Transformers in associated switch mode power supplies comply with Annex BB of IEC 61558-2-16	otek Anborek Anborek	N
tek An	Safety isolating transformers comply with IEC 61558-2-6	Anbotek Anbotek Anbo	N
lpotek	If they have to be tested, they are tested according to Annex G	Anbotek Anbetek	AnboN ^k
24.1.3	Switches comply with IEC 61058-1, the number of cycles of operation being at least 10 000	ek storek Anborek	P.Po







Die	D stek - Anbor All	-14	ren And	1/ 1/
lause	Requirement + Test	Vivo	Result - Remark	Verdi
ek vu	If they have to be tested, they are tested ac	cording	nbo kek Anbotek Anbo	N
tek L	to Annex H	otek J	Anbo tek anbotek A	hoore
anbotek	If the switch operates a relay or contactor, the complete switching system is subjected to the		Anbotek Anbotek	Aup N
	If the switch only operates a motor staring recomplying with IEC 60730-2-10 with the nur cycles of a least 10 000 as specified, the coswitching system need not be tested	nber of	tek Anbotek Anbotek botek Anbotek Anbotek Anbotek	N Ar
4.1.4	Automatic controls comply with IEC 60730-cycles of operation being at least:	1 with the	e relevant part 2. The number of	botek_
-hotek	- thermostats:	10 000	Anborek Anbore	And N
hotek	- temperature limiters:	1 000	ak botek Anbotek	MUN
Ano	- self-resetting thermal cut-outs:	300	k wotek Anbotek	NS
Anb	- voltage maintained non-self-resetting thermal cut-outs:	1 000	botek Anbotek Anbot	otek N
orek p	- other non-self-resetting thermal cut-outs:	30	An Anboten An	N.
notek	- timers:	3 000	Andotek Andotek	Anbe N
	- energy regulators:	10 000	Ant otek Anbotek	NUN
	The number of cycles for controls operating clause 11 need not be declared, if the appliameets the requirements of this standard whare short-circuited	ance	otek Anbotek Anbotek	okek Ny
ibotek Ar	Thermal motor protectors are tested in com with their motor under the conditions specifi Annex D		Anbotek Anbotek	nboteN
Anbotek Anbotek	For water valves containing live parts and the incorporated in external hoses for connection appliance to the water mains, the degree of protection declared for subclause 6.5.2 of IE 60730-2-8 is IPX7	n of an	otek Anbotek Anbotek Otek Anbotek Anbote Anbotek Anbotek	And And
ootek Vu	Thermal cut-outs of the capillary type complethe requirements for type 2.K controls in IEC 60730-2-9		Anbotek Anbotek Anbotek	_{rhotel} N
4.1.5	Appliance couplers comply with IEC 60320-	1 Lotel	Aupotek Aupo	N
Anbotek	However, for class II appliances classified h than IPX0, the appliance couplers comply w 60320-2-3		nek Anbotek Anbotek	N
ek Au	Interconnection couplers comply with IEC 6 2	0320-2-	Anbotek Anbotek Ant.	nbotekN
4.1.6	Small lamp holders similar to E10 lamphold comply with IEC 60238, the requirements for		Anborek Anborek	Anbon

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	IEC 60335-1		
Clause	Requirement + Test	Result - Remark	Verdict
VUC	rek opotek Anbo K Kotek	upote And alek upo	lek
24.1.7	For remote operation of the appliance via a telecommunication network, the relevant standard for the telecommunication interface circuitry in the appliance is IEC 62151	Anbotek Anbotek An	potel N Anbotek
24.1.8	The relevant standard for thermal links is IEC 60691	tek Anbotek Anbotek	N
ek Anbote	Thermal links not complying with IEC 60691 are considered to be an intentionally weak part for the purposes of Clause 19	botek Anbotek Anbot	ek N
24.1.9	Contactors and relays, other than motor starting relays, tested as part of the appliance	Anborek Anborek An	AnborNe
Anbotek Anbotek	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:	ek Aupotek Aupotek	ArNote Anb
24.2 _{Amb}	Appliances not fitted with:	botek Anbotek And	AN P
otek p	- switches, automatic controls or power supplies in flexible cords	Anbotek Anbotek Ant	nbotek Inbotek
Anbotek Anbotek	- devices causing the protective device in the fixed wiring to operate in the event of a fault in the appliance	Anbotek Anbotek	Ani Pres
k Aupore	- thermal cut-outs that can be reset by soldering, unless	potek Anbotek Anbotel	P
.ok	the solder has a melding point of at least 230 °C	Anbo ak abotek Anb	Р
24.3 Inbotek Anbotek	Switches intended for all-pole disconnection of stationary appliances are directly connected to the supply terminals and have a contact separation in all poles, providing full disconnection under overvoltage category III conditions	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	nborek Anborek Anbo
24.4 Anbor	Plugs and socket-outlets for extra-low voltage circuits and heating elements, not interchangeable with plugs and socket-outlets listed in IEC/TR 60083 or IEC 60906-1 or with connectors and appliance inlets complying with the standard sheets of IEC 60320-1	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N Ar tek hotek Anbotek
24.5	Capacitors in auxiliary windings of motors marked with their rated voltage and capacitance, and used accordingly	stek Aupotek Aupotek	ANOO!
tek Anho.	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	Anbotek Anbotek Anbotek Anbot	ek N

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potek	IEC 60335-1	ok bojek Anbo	b.
Clause	Requirement + Test	Result - Remark	Verdic
Dur	ak potek Anbo. A. otek	abote Ant bo	,ek
4.6	Working voltage of motors connected to the supply mains and having basic insulation that is inadequate for the rated voltage of the appliance, not exceeding 42 V	Anbotek Anbotek An	potekN Anbotek
Anbotek	In addition, the motors comply with the requirements of Annex I	tek Anbotek Anbotek	N
4.7 Anbore	Detachable hose-sets for connection of appliances to the water mains comply with IEC 61770	botek Anbotek Anbot	N N
S _K Vu _k	They are supplied with the appliance	Anbotek Anbo stek and	o ^{tek} N
Anbotek Anbotek	Appliances intended to be permanently connected to the water mains not connected by a detachable hose-set	Anbotek Anbotek	Anbote
4.8 nbotel	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	ootek Anbotek Anbotek	k Nup
otek o	One or more of the following conditions are to be me	tank anbotek Ant	N
nbotek	- the capacitors are of class S2 or S3 according to IEC 60252-1	Anbotek Anbotek	Inboth
Anbotek	- the capacitors are housed within a metallic or ceramic enclosure	ek Anbotek Anbotek	N
And	- the distance of separation of the outer surface to adjacent non-metallic parts exceeds 50 mm	potek Anbotek Anbote	N P
Hok A	- adjacent non-metallic parts within 50 mm withstand the needle-flame test of Annex E	Anbotek Anbotek Anb	nboteN
Anbotek	- adjacent non-metallic parts within 50 mm classified as at least V-1 according to IEC 60695-11-10	Anbotek Anbotek	Anb Nier
5	SUPPLY CONNECTION AND EXTERNAL FLEXIBI	LE CORDS	
5.1 Anbo	Appliance not intended for permanent connection to connection to the supply:	fixed wiring, means for	10k
Anbotek Anbotek	- 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	Anbotek Anbotek Ar	Anbotek
Anbotek	 an appliance inlet having at least the same degree of protection against moisture as required for the appliance, or 	hotek Anbotek Anbotek	N
ek na	- pins for insertion into socket-outlets	notek anbotek Anbo	νP
5.2	Appliance not provided with more than one means of connection to the supply mains	Anbotek Anbotek An	P





Aupo, a	IEC 60335-1	tek Pupo, by.	
Clause	Requirement + Test	Result - Remark	Verdict
nbotek Ar	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	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek
25.3	Appliance intended to be permanently connected to of the following means for connection to the supply n		N
tek Yu.	- a set of terminals allowing the connection of a flexible cord	potek Aupotek Aupot	N otek
hotek	- a fitted supply cord	botek Anbore An	N
Anbotek	- a set of supply leads accommodated in a suitable compartment	Aupotek Vipotek	Anbotel
Anbore Anbor	- 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	ek Anbotek Anbotek Ootek Anbotek Anbotek Anbotek Anbotek Anbotek	N _{otek}
	- 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	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotel
Jotek Anb	For a fixed appliance constructed so that parts can be removed to facilitate easy installation, this requirement is met if it is possible to connect the fixed wiring without difficulty after a part of the appliance has been fixed to its support	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	nbotek
25.4	Cable and conduit entries, rated current of appliance not exceeding 16 A, dimension according to table 10 (mm)	otek Anbotek Anbotek	Noo
otek Anbi	Introduction of conduit or cable does not reduce clearances or creepage distances below values specified in clause 29	nbotek Anbotek Anbo	ek N
25.5	Method for assembling the supply cord to the appliar	nce: potek Anbote A	2010K
botek	- type X attachment	Anbotek Anbotes	N
hotek	- type Y attachment	rek abotek Anbotek	P
r no	- type Z attachment, if allowed in relevant part 2	Anbotek Anbotek	NAM
Piek Vu	Type X attachment, other than those with a specially prepared cord, not used for flat twin tinsel cords	Anbotek Anbotek Anbo	N potek
Anbotek	For multi-phase appliances supplied with a supply cord and that are intended to be permanently connected to fixed wiring, the supply cord is assembled to the appliance by type Y attachment	Anbotek Anbotek	Anbot





	IEC 60335-1		
Clause	Requirement + Test	Result - Remark	Verdict
Day Dur	Jelek au hypotek Ando andk a hootek	nbore Anno	,er
25.6	Plugs fitted with only one flexible cord	Aupoter Vupp	P
25.7	Supply cords, other than for class III appliances, bei	ng one of the following types:	No tok
botek	- rubber sheathed (at least 60245 IEC 53)	botek Anbote	Ans N
Vi. Polsk	- polychloroprene sheathed (at least 60245 IEC 57)	k hotek Anbotek	PN
Anbo	- polyvinyl chloride sheathed. Not used if they are lik a temperature rise exceeding 75 K during the test of		ok -bup
tek An	light polyvinyl chloride sheathed cord (60227 IEC 52), for appliances not exceeding 3 kg	Anbotek Anbotek Anbotek An	otek N
Anbotek	 ordinary polyvinyl chloride sheathed cord (60227 IEC 53), for other appliances 	Anbotek Anbotek	Anbore!
Anbore	- heat resistant polyvinyl chloride sheathed. Not use than specially prepared cords	d for type X attachment other	Nujo
otek An	heat-resistant light polyvinyl chloride sheathed cord (60227 IEC 56), for appliances not exceeding 3 kg	Anbotek Anbotek Anbotek Ant	otek N
Anbotek	heat-resistant polyvinyl chloride sheathed cord (60227 IEC 57), for other appliances	Anbotek Anbotek	Anbotek Anbotek
Aupore	- halogen-free, low smoke, thermoplastic insulated a	nd sheathed	Nipo
ik Anbore	light duty halogen-free low smoke flexible cable (62821 IEC 101) for circular cable and (62821 IEC 101f) for flat cable	ontek Anbotek Anbotek	e N A
otek unbotek	Ordinary duty halogen-free low smoke flexible cable (62821 IEC 102) for circular cable and (62821 IEC 102f(for flat cable	Anbotek Anbotek A	nbotek nnbotek
Anbotek	Supply cords for class III appliances adequately insulated	k Anbotek Anbotek	Noo
k Aup	Test with 500 V for 2 min for supply cords of class III appliances that contain live parts	nbotek Anbotek Anbotek	N AM
25.8	Nominal cross-sectional area of supply cords not less than table 11; rated current (A); cross-sectional area (mm²)	Anbotek Anbotek An	ibotelP abotek
25.9	Supply cords not in contact with sharp points or edges	Anbotek Anbotek	Pot
25.10	Supply cord of class I appliances have a green/yellow core for earthing	botek Anbotek Anbotek	PAn'
iek bi	In multi-phase appliances, the colour of the neutral conductor of the supply cord is blue	Anbotek Anbotek Anbo	potekN
pore	Where additional neutral conductors are provided in	the supply cord:	nboN ^k
Anbotek	other colours may be used for these additional neutral conductors;	Anbotek Anbotek	Mote





botek	IEC 60335-1	rok boiek Anbois	br.
Clause	Requirement + Test	Result - Remark	Verdict
otek An	 all of the neutral conductors and line conductors are identified by marking using the alpha numeric notation specified in IEC 60445 	Anbotek Anbotek Anbotek An	potek botek
, shotek	- the supply cord is fitted to the appliance	All Anbotel	Note
25.11	Conductors of supply cords not consolidated by soldering where they are subject to contact pressure, unless	lek Anbotek Anbotek	N Ant
itek Anl	the contact pressure is provided by spring terminals	work Anbotek Anbo	, N
25.12	Insulation of the supply cord not damaged when moulding the cord to part of the enclosure	Anbotek Anbotek Ant	Vupotek N
25.13	Inlet openings so constructed as to prevent damage to the supply cord	Anbotek Anbotek	Anbre
Anbore Anbore	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	ootek Anbotek Anbotek	N ^{nb}
botek l	If unsheathed supply cord, a similar additional bushing or lining is required, unless the appliance is	Anbotek Anbotek	W _{todn} ,
Yupo,	class 0, or	Augo, tek upotek	ANN'
Anbor	a class III appliance not containing live parts	Anbor Anborek	Np
25.14	Supply cords moved while in operation adequately protected against excessive flexing	potek Anbotek Anbotel	N
* OK	Flexing test, as described:	Anto tek nbotek Anto	N
20, b	- applied force (N)	Aupo, W. Spotek b	upoter N
Yupo,	- number of flexings	Anbor An botek	Vup Uje.
Aupor	The test does not result in:	k Aupon Au	Noo
k Anboro	- short-circuit between the conductors, such that the current exceeds a value of twice the rated current	otek Anbotek Anbotek	N Ar
otek Ar	- breakage of more than 10% of the strands of any conductor	Anbotek Anbotek Ar	lbote N
'upo	- separation of the conductor from its terminal	And tek anbotek	Anb N
Aupo.	- loosening of any cord guard	Anbo tek nbotek	PN
Anborr	- damage to the cord or the cord guard	tek Aupon by	Npo
tek Anbo	- broken strands piercing the insulation and becoming accessible	abotek Anbotek Anbot	ek N
25.15	For appliances with supply cord and appliances to be permanently connected to fixed wiring by a flexible cord, conductors of the supply cord relieved from strain, twisting and abrasion by use of cord anchorage	Anbotek Anbotek An	Aupotek V





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hotek	IEC 60335-1	ok bojek Anbore	br.
Clause	Requirement + Test	Result - Remark	Verdic
hotek An	The cord cannot be pushed into the appliance to such an extent that the cord or internal parts of the appliance can be damaged	Anbotek Anbotek Anbotek Anbotek	pote ^K N
abotek	Pull and torque test of supply cord:	abotek Anboten	N
Anbotek	- fixed appliances: pull 100 N; torque (not on automatic cord reel) (Nm):	lek Anbotek Anbotek	N An
ek Aupo	- other appliances: values shown in table 12: mass (kg); pull (N); torque (not on automatic cord reel) (Nm)	botek Anbotek Anbot	otek N
botek botek	Cord not damaged and max. 2 mm displacement of the cord	Anbotek Anbotek	Anbo'N'
25.16	Cord anchorages for type X attachments constructed	I and located so that:	N
Aug	- replacement of the cord is easily possible	Anbotek Anbotek	Nu
anbo	- it is clear how the relief from strain and the prevention of twisting are obtained	potek Anbotek Anbote	N
otek	- they are suitable for different types of supply cord	Anbotek Anbotek Ant	N
Anbotek	- cord cannot touch the clamping screws of cord anchorage if these screws are accessible, unless	Ambotek Anbotek	Anbote N
Anbores	they are separated from accessible metal parts by supplementary insulation	Anbotek Anbotek	Nho
k Aup	- the cord is not clamped by a metal screw which bears directly on the cord	onbotek Anbotek Anbote	N I
otek p	- at least one part of the cord anchorage securely fixed to the appliance, unless	Anbotek Anbotek An	nboteN
rupo.	it is part of a specially prepared cord	Anbo. Lek abotek	AUPUL
Anborek	- screws which have to be operated when replacing the cord do not fix any other component, unless	k Anbotek Anbotek	No
k Pupo	the appliance becomes inoperative or incomplete or the parts cannot be removed without a tool	mbotek Anbotek Anbotek	kek N
otek A	- if labyrinths can be bypassed the test of 25.15 is nevertheless withstood	Anbotek Anbotek Ar	ipote ^N
Anbotek	- for class 0, 0I and I appliances they are of insulating material or are provided with an insulating lining, unless	Anbotek Anbotek	Anbo
Anbo	failure of the insulation of the cord does not make accessible metal parts live	potek Anbotek Anbotek	N _M
tek Ar	- for class II appliances they are of insulating material, or	Anbotek Anbotek Anb	poteWN
porek	if of metal, they are insulated from accessible metal parts by supplementary insulation	Aupotek Aupotek	Aupolo N





or Aug	a stek - Anbor An ok in	Ter Alle	
Clause	Requirement + Test	Result - Remark	Verdic
nbotek Ani	After the test of 25.15, under the conditions specified, the conductors have not moved by more than 1 mm in the terminals	Anbotek Anbotek Anbo	ootek botek
25.17	Adequate cord anchorages for type Y and Z attachment, test with the cord supplied with the appliance	tek Anbotek Anbotek	Por
25.18 _M	Cord anchorages only accessible with the aid of a tool, or	abotek Anboten Anbot	P
potek Yu.	Constructed so that the cord can only be fitted with the aid of a tool	Anborek Am	potek N
25.19	Type X attachment, glands not used as cord anchorage in portable appliances	Anbotek Anbotek	Anbore
Aupore	Tying the cord into a knot or tying the cord with string not used	ek Anbotek Anbotek	N _E nt
25.20	The conductors of the supply cord for type Y and Z attachment insulated from accessible metal parts	anbotek Anbotek Anbot	o ^{tek} P
25.21	Space for supply cord for type X attachment or for coconstructed:	onnection of fixed wiring	Anbot N
Anbotek Anbotek	- to permit checking of conductors with respect to correct positioning and connection before fitting any cover	ek Anbotek Anbotek	An'N Anb
ik Aup	- so there is no risk of damage to the conductors or their insulation when fitting the cover	Bore Amborek Ambore	N P
otek 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	Anbotek Anbotek Anbotek	nbote ^N Anbote ^l
Anbotek	2 N test to the conductor for portable appliances; no contact with accessible metal parts	otek Anbotek Anbotek	N
25.22 _{kn} bo	Appliance inlets:	botek Anboten Anbo	ek P
stek Ar	- live parts not accessible during insertion or removal	Anbotek Anbotek Anbi	P
nbotek	Requirement not applicable to appliance inlets complying with IEC 60320-1	Anbotek Ambotek	Anb Pak
Ann	- connector can be inserted without difficulty	ak kotek Anbotek	PP
Anto	- the appliance is not supported by the connector	And Otek Anbotek	PA
ek Anbo	- not for cold conditions if temp. rise of external metal parts exceeds 75 K during clause 11, unless	nbotek Anbotek Anbo	ek N
~~	the supply cord is unlikely to touch such metal parts	And ak botek Ar	N _v

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potek	IEC 60335-1	ok botek Anbo	No.
Clause	Requirement + Test	Result - Remark	Verdic
VUL	tok potek Anbo. Ar otek	abote Ant bot	ek.
	- the cross-sectional area of the conductors is determined on the basis of the maximum current during clause 11	Anbotek Anbotek An	potek botek
upotek	- the thickness of the insulation may be reduced	nnbotek Anbor	Note
Anbotek Anbote	- 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	tek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N Ant
ye. Yu.	If necessary, electric strength test of 16.3	Anbore K Ans Sotek An	o ^{tek} N
25.24	Interconnection cords not detachable without the aid of a tool if compliance with this standard is impaired when they are disconnected	Anbotek Anbotek	Anbotel
25.25	Dimensions of pins that are inserted into socket- outlets compatible with the dimensions of the relevant socket-outlet.	ootek Anbotek Anbotek	R Pub
potek And	Dimensions of pins and engagement face in accordance with the dimensions of the relevant plug in IEC/TR 60083	Anbotek Anbotek Anb	otek P
26	TERMINALS FOR EXTERNAL CONDUCTORS		
26.1	Appliances provided with terminals or equally effective devices for connection of external conductors	otek Anbotek Anbotek	Pnbo
ek Aup	Terminals only accessible after removal of a non- detachable cover, except	Anbotek Anbotek Anb	N Ast
00, k	for class III appliances that do not contain live parts	Anbo. A. botek	nbote N
Anbotek Anbotek	Earthing terminals may be accessible if a tool is required to make the connections and means are provided to clamp the wire independently from its connection	Anbotek Anbotek Anbotek Anbotek	Anbo
26.2	Appliances with type X attachment and appliances for the connection of cables of fixed wiring provided with terminals in which connections are made by means of screws, nuts or similar devices, unless	Anbotek Anbotek Anbo	lek N
'upo's	the connections are soldered	Anbore Att	Pup Vier
Anbotek	Screws and nuts not used to fix any other component, except	tek Vupotek Vupotek	Not
Anbot Anbot	internal conductors, if so arranged that they are unlikely to be displaced when fitting the supply conductors	nbotek Anbotek Anbotek	ek N
hotek	If soldered connections used, the conductor so positioned or fixed that reliance is not placed on soldering alone, unless	Anbotek Anbotek An	Pupotek N





Moder	IEC 60335-1	tek Ambores Amb	4:
lause	Requirement + Test	Result - Remark	Verdid
Ann	ack spotek Aupo W. Week	abote And ak abot	SK.
	barriers provided so that neither clearances nor creepage distances between live parts and other metal parts reduced below the values for supplementary insulation if the conductor becomes free at the soldered joint	Anbotek Anbotek An	potekN Anbotek Anbot
6.3 Anbore	Terminals for type X attachment and for connection of cables of fixed wiring so constructed that the conductor is clamped between metal surfaces with sufficient contact pressure but without damaging the conductor	tek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N Ar ak
oter	Terminals fixed so that when the clamping means is	tightened or loosened:	NodN.
*upotek	- the terminal does not become loose	Anbotek Anbo	N
nnbotek	- internal wiring is not subjected to stress	ek Anbotek Anbo	N
Anborel	- neither clearances nor creepage distances are reduced below the values in clause 29	potek Anbotek Anbote	N
opotek Aup	Compliance checked by inspection and by the test of subclause 9.6 of IEC 60999-1, the torque applied being equal to two-thirds of the torque specified (Nm)	Anbotek Anbotek Anbotek	otek N Inbotek
botek	No deep or sharp indentations of the conductors	k abotek Anbote	AmN
6.4	Terminals for type X attachment, except those having a specially prepared cord and those for the connection of cables of fixed wiring, no special preparation of conductors such as by soldering, use of cable lugs, eyelets or similar, and	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N N
ibotek obotek	so constructed or placed that conductors prevented from slipping out when clamping screws or nuts are tightened	Anbotek Anbotek	Anbore
6.5	Terminals for type X attachment so located or shielded that if a wire of a stranded conductor escapes, no risk of accidental connection to other parts that result in a hazard	otek Anbotek Anbotek	N
ier An	Stranded conductor test, 8 mm insulation removed	Anbotek Anbo	loote N
potek potek	No contact between live parts and accessible metal parts and,	Anbotek Anbotek	Anb (Na)
Anbotek	for class II constructions, between live parts and metal parts separated from accessible metal parts by supplementary insulation only	tek Anbotek Anbotek	PN
6.6	Terminals for type X attachment and for connection of cables of fixed wiring suitable for connection of conductors with cross-sectional area according to table 13; rated current (A); nominal cross-sectional area (mm²)	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	ootek Anbotek
Aupojek	If a specially prepared cord is used, terminals need only be suitable for that cord	tek unbotek Anbotek	PN

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polek	IEC 60335-1	ok bojek Anbo,	ly.
Clause	Requirement + Test	Result - Remark	Verdic
26.7	Terminals for type X attachment, except in class III appliances not containing live parts, accessible after removal of a cover or part of the enclosure	Anborek Anborek Anborek Anborek	potekN
26.8	Terminals for the connection of fixed wiring, including the earthing terminal, located close to each other	tek Anbotek Anbotek	Anbor
26.9 _{Mil} odi	Terminals of the pillar type constructed and located as specified	Anbotek Anbote	N N
26.10	Terminals with screw clamping and screwless terminals not used for flat twin tinsel cords, unless	Anborek Anborek An	o ^{tek} N
Anbotek	conductors ends fitted with means suitable for screw terminals	Anbotek Anbotek	Anbore Anbore
Anboren	Pull test of 5 N to the connection	ek Aupoter Aup	Not
26.11 M	For type Y and Z attachment, soldered, welded, crimped or similar connections may be used	botek Anbotek Anbote	P
potek potek	For Class II appliances, the conductor so positioned or fixed that reliance is not placed on soldering, welding or crimping alone	Anbotek Anbotek Anb	upotek Otek
	If soldering, welding or crimping alone used, barriers provided so that clearances and creepage distances between live parts and other metal parts are not reduced below the values for supplementary insulation if the conductor becomes free	ortek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	An'N' Anb Anb
27	PROVISION FOR EARTHING		
27.1	Accessible metal parts of Class 0I and I appliances permanently and reliably connected to an earthing terminal or earthing contact of the appliance inlet	k Anbotek Anbotek	Anb Nel
Aupoten	Earthing terminals and earthing contacts not connected to the neutral terminal	otek Anbotek Anbotek	N
otek An	Class 0, II and III appliances have no provision for protective earthing	Class II	rek P
inpotek	Class II appliances and class III appliances can incorporate an earth for functional purposes	Anbotek Anbotek Ar	N _S k Anbolek
Anbore	Safety extra-low voltage circuits not earthed, unless	Anbore And hotek	No
Aupoter	protective extra-low voltage circuits	tek Aupole, Aur.	N
27.2	Clamping means of earthing terminals adequately secured against accidental loosening	nbotek Anbotek Anbo	» N
lpotek bu	Terminals for the connection of external equipotential bonding conductors allow connection of conductors of 2.5 to 6 mm², and	Anbotek Anbotek An	oo ^{tel} N Anbotek
Anber	- do not provide earthing continuity between different parts of the appliance, and	Anbe hotek Anbotek	ÞÑο





"pote"	IEC 60335-1	ok abotek Anb	1877
Clause	Requirement + Test	Result - Remark	Verdic
And	Otek Upotek Wupo, W. Potek	upote Aug Stek Mpo	(SK
tek Vi	- conductors cannot be loosened without the aid of a tool	Ambotek Ambo	poteVN
	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes	Anbotek Anbotek	Anbot
27.3	For a detachable part having an earth connection and being plugged into another part of the appliance, the earth connection is made before and separated after current-carrying connections when removing the part	anbotek Anbotek Anbotek Anbotek Anbotek Anbot	N.r.
Anbotek	For appliances with supply cords, current-carrying conductors become taut before earthing conductor, if the cord slips out of the cord anchorage	Anbotek Anbotek	Anborn Anbor
Anboth	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes	botek Anbotek Anbotek	k Na
27.4	No risk of corrosion resulting from contact between parts of the earthing terminal and the copper of the earthing conductor or other metal	Anbotek Anbotek Ant	rupotek
Anbotek	Parts providing earthing continuity, other than parts of a metal frame or enclosure, have adequate resistance to corrosion	ek Anbotek Anbotek	An N°
K Anb	If of steel, these parts provided with an electroplated coating with a thickness at least 5 µm	potek Anbotek Anbote	N I
nbotek p	Adequate protection against rusting of parts of coated or uncoated steel, only intended to provide or transmit contact pressure	Anbotek Anbotek Anb	nbote N
Anbotek	In the body of the earthing terminal is a part of a frame or enclosure of aluminium or aluminium alloys, precautions taken to avoid risk of corrosion	k Anbotek Anbotek	Anb.
rek Anbr	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes	Inbotek Anbotek Anbotek Anbo	N N
7.5	Low resistance of connection between earthing terminal and earthed metal parts	Anbotek Anbotek A	Anbore
Anborek Anborek	This requirement does not apply to connections providing earthing continuity in the protective extralow voltage circuit, provided the clearances of basic insulation are based on the rated voltage of the appliance	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	ek A
ootek Ar	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes	Anbotek Anbotek An	oo ^{tek} N
Aupore	Resistance not exceeding 0,1 Ω at the specified low-resistance test (Ω)	Vupoter Vupotek	_{Pr} N°



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	IEC 60335-1		
Clause	Requirement + Test	Result - Remark	Verdic
VUP	ak hotek Anbot At stek	abote And ak bot	ek
7.6 An	The printed conductors of printed circuit boards not used to provide earthing continuity in hand-held appliances.	Anbotek Anbotek An	potekN potek
Anbotek Anbotek	They may be used to provide earthing continuity in other appliances if at least two tracks are used with independent soldering points and the appliance complies with 27.5 for each circuit	tek Anbotek Anbotek	Anbot Anbot
sk Aut	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes	Anbotek Anbotek Anbot	N sofek
8	SCREWS AND CONNECTIONS		
8.1	Fixings, electrical connections and connections providing earthing continuity withstand mechanical stresses	ek Anbotek Anbotek	An P ON Anh
k Anb	Screws not of soft metal liable to creep, such as zinc or aluminium	potek Anbotek Anbote	P
otek p	Diameter of screws of insulating material min. 3 mm	Ambotek Ambotek Anb	N
Anbotek	Screws of insulating material not used for any electrical connections or connections providing earthing continuity	Anbotek Anbotek	Ant Nre
Anbore	Screws used for electrical connections or connections providing earthing continuity screwed into metal	Anbotek Anbotek Ambotel	stek N
upotek V.	Screws not of insulating material if their replacement by a metal screw can impair supplementary or reinforced insulation	Anbotek Anbotek A	nboteN Anbotel
Anbotek Anbotek	For type X attachment, screws to be removed for replacement of supply cord or for user maintenance, not of insulating material if their replacement by a metal screw impairs basic insulation	otek Anbotek Anbotek Anbotek Anbotek	No.
ter Vi	For screws and nuts; torque-test as specified in table 14:	(see appended table)	iboteP
8.2	Electrical connections and connections providing earthing continuity constructed so that contact pressure is not transmitted through non-ceramic insulating material liable to shrink or distort, unless	Anbotek Anbotek Anbotek Anbotek	Anbox
ek Anbo	there is resiliency in the metallic parts to compensate for shrinkage or distortion of the insulating material	nbotek Anbotek Anbot	ek N





Clause

28.3

28.4

29

together

thread

installer

connection:

- in normal use,

attachment, or

earthing continuity

Page 49 of 106 Report No. 18250SC20035101 IEC 60335-1 Result - Remark Requirement + Test Verdict 30.2.2 is applicable and that carry a current not exceeding 0,5 A 30.2.3 is applicable and that carry a current not exceeding 0,2 A Space-threaded (sheet metal) screws only used for Ν electrical connections if they clamp the parts Thread-cutting (self-tapping) screws and thread Ν rolling screws only used for electrical connections if they generate a full form standard machine screw Thread-cutting (self-tapping) screws not used if they are likely to be operated by the user or Thread-cutting, thread rolling and space threaded screws may be used in Ν connections providing earthing continuity provided it is not necessary to disturb the N - during user maintenance, N when replacing a supply cord having a type X - during installation N At least two screws being used for each connection Ν providing earthing continuity, unless the screw forms a thread having a length of at least N half the diameter of the screw Screws and nuts that make mechanical connection secured against loosening if they also make electrical connections or connections providing This requirement does not apply to screws in the Ν earthing circuit if at least two screws are used, or if an alternative earthing circuit is provided Rivets for electrical connections or connections N providing earthing continuity secured against loosening if the connections are subjected to CLEARANCES, CREEPAGE DISTANCES AND SOLID INSULATION

Shenzhen Anbotek Compliance Laboratory Limited

torsion

N.

Clearances, creepage distances and solid insulation withstand electrical stress

For coatings used on printed circuits boards to

protect the microenvironment (Type 1) or to provide basic insulation (Type 2), Annex J applies....:



hotek	IEC 60335-1	ok botek Anbore	Direc
Clause	Requirement + Test	Result - Remark	Verdict
Aur	Tek Sporek Anbo K. K.	abore And	iek b
	The microenvironment is pollution degree 1 under type 1 protection	Anbotek Anbotek An	poteVN
Anbotek Anbotek	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	Anbotek Anbotek Anbotek Anbotek	Anbotek
k Anbor	These values apply to functional, basic, supplementary and reinforced insulation:	abotek Anboten Anbot	N P
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)	Anbotek
Anbotek	for basic insulation and functional insulation they comply with the impulse voltage test of clause 14	ek Anbotek Anbotek	N
tek Ant	However, if the distances are affected by wear, distortion, movement of the parts or during assembly, the clearances for rated impulse voltages of 1500V and above are increased by 0,5 mm and the impulse voltage test is not applicable	Anbotek Anbotek Anbotek Anbotek Anbotek Anto	nbotek
Anbotek Anbotek	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	ek Anbotek Anbotek	AnWin Anborr
ek Anb	Impulse voltage test is not applicable:	botek Anbote, And	rek N
potek p	- when the microenvironment is pollution degree 3, or	Anbotek Anbotek Anb	nboteN
Anborek	- for basic insulation of class 0 and class 01 appliances, or	Anbotek Anbotek	AntoNie
Aupotek	- to appliances intended for use at altitudes exceeding 2 000 m	otek Anbotek Anbotes	N
FL Pupo	Appliances are in overvoltage category II	abořek Anboře And	e ^K P
otek V.	A force of 2 N is applied to bare conductors, other than heating elements	Anbotek Anbotek And	ibote P
Anbore	A force of 30 N is applied to accessible surfaces	Anbore And Hotek	Anb Piek
29.1.1	Clearances of basic insulation withstand the overvoltages, taking into account the rated impulse voltage	Hek Anbotek Anbotek	Anb.
Otek Vibo	The values of table 16 or the impulse voltage test of clause 14 are applicable:	(see appended table)	ek P P
unbotek k	Clearance at the terminals of tubular sheathed heating elements may be reduced to 1,0 mm if the microenvironment is pollution degree 1	Anbotek Anbotek An	Anbotek Anbotek

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Andrek	Anbotek Anbo	IEC 60335-1	Ane hotek	Anbotek	Aupo
Clause	Requirement + Test	anbotek Anbote	Result - Remark	Anborek	Verdict

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Clause	Requirement + Test	Result - Remark	Verdict
VUB	ok notek Anbout Air riek	abores And	ICK D
otek An	Lacquered conductors of windings considered to be bare conductors	Anbotek Anbotek An	poteVP
29.1.2	Clearances of supplementary insulation not less than those specified for basic insulation in table 16:	(see appended table)	Anb 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 Anbo
hbotek Anbotek	For double insulation, with no intermediate conductive part between basic and supplementary insulation, clearances are measured between live parts and the accessible surface, and the insulation system is treated as reinforced insulation	Anbotek Anbotek Anbotek Anbotek Anbotek	anbotek Anbotek
29.1.4	Clearances for functional insulation are the largest va	alues determined from:	Bupo
Anbor	- table 16 based on the rated impulse voltage:	(see appended table)	F P A
tek Aup	- table F.7a in IEC 60664-1, frequency not exceeding 30 kHz	Anbotek Anbotek Ant	otek P
Anbotek A	- clause 4 of IEC 60664-4, frequency exceeding 30 kHz	Anbotek Anbotek	upotek
Anbotek	If values of table 16 are largest, the impulse voltage test of clause 14 may be applied instead, unless	ek Anbotek Anbotek	Napor
N Ann	the microenvironment is pollution degree 3, or	ore And orek Anbore	N An
otek Anba	the distances can be affected by wear, distortion, movement of the parts or during assembly	Anbotek Anbotek Anb	otek N
Anbotek	However, clearances are not specified if the appliance complies with clause 19 with the functional insulation short-circuited	Anbotek Anbotek	N _{ek}
Aupotek	Lacquered conductors of windings considered to be bare conductors	otek Anbotek Anbotek	N
ik Aupo	However, clearances at crossover points are not measured	mbotek Anbotek Anbo	kelk N
inpotek	Clearance between surfaces of PTC heating elements may be reduced to 1mm	Anbotek Anbotek A	N N
29.1.5	Appliances having higher working voltages than rate insulation are the largest values determined from:	d voltage, clearances for basic	Note
Ando	- table 16 based on the rated impulse voltage:	And otek unbotek	Nanb
otek Aupo.	- table F.7a in IEC 60664-1, frequency not exceeding 30 kHz	upotek Aupotek Aupo	ek N b
nbotek	- clause 4 of IEC 60664-4, frequency exceeding 30 kHz	Amborek Amborek An	Nk



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OI ALID	To stek - nobot An ak w	Ter Tun	
Clause	Requirement + Test	Result - Remark	Verdic
hbotek Anbotek	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	Anbotek Anbotek Anbotek Anbotek Anbotek	Anborek
Anbotes Anbotes	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	tek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N Ant
Anbotek Anbotek	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	Anbotek Anbotek Anbotek Anbotek	Anbote
ek Anbotek	If the secondary winding of a step-down transformer is earthed, or if there is an earthed screen between the primary and secondary windings, clearances of basic insulation on the secondary side not less than those specified in table 16, but using the next lower step for rated impulse voltage	potek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N N N N N N N N N N N N N N N N N N N
Aupotek Vipotek	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	botek Anbotek Anbotek	N Anb
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)	otek nbotek
^{rup} os	Pollution degree 2 applies, unless	Anbors An botek	Pupb.
Anborek	- precautions taken to protect the insulation; pollution degree 1	otek Anbotek Anbotek	Moc
Anbo	- insulation subjected to conductive pollution; pollution degree 3	inbotek Anbotek Anbotek	Kejk N
otek An	A force of 2 N is applied to bare conductors, other than heating elements	Anbotek Anbotek Ar	ibote P
Upa	A force of 30 N is applied to accessible surfaces	Anbotek Anbotek	Anbore P
Anbotek Anbotek	In a double insulation system, the working voltage for both the basic and supplementary insulation is taken as the working voltage across the complete double insulation system	tek Anbotek Anbotek	PN _D O
29.2.1	Creepage distances of basic insulation not less than specified in table 17	(see appended table)	bote*P



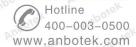
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And IEC 60335-1 And			
Clause	Requirement + Test	Result - Remark	Verdict
otek An otek An Anbotek	However, if the working voltage is periodic and has a frequency exceeding 30 kHz, the creepage distances are also determined from table 2 of IEC 60664-4, these values being used if exceeding the values in table 17	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N N
Anborek Anbor	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	tek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N And
29.2.2	Creepage distances of supplementary insulation at least those specified for basic insulation in table 17, or	(see appended table)	Anborel
Anboren	Table 2 of IEC 60664-4, as applicable:	ek Anboren Anbo	Nab
29.2.3	Creepage distances of reinforced insulation at least double those specified for basic insulation in table 17, or	(see appended table)	otek k P
ipotek P	Table 2 of IEC 60664-4, as applicable:	Anbotek Anbote An	N-N-
29.2.4	Creepage distances of functional insulation not less than specified in table 18	(see appended table)	Prek
Anbotel Anbotel	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	otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbote	N/po
Anbotek A	Creepage distances may be reduced if the appliance complies with clause 19 with the functional insulation short-circuited	Anbotek Anbotek	nbotek Anbotek
29.3	Supplementary and reinforced insulation have adequate thickness, or a sufficient number of layers, to withstand the electrical stresses	otek Anbotek Anbotek	P.DO
Nupo Aupo	Compliance checked:	Anborek Anbo, Ali	lek P
Joseff Ar	- by measurement, in accordance with 29.3.1, or	Anbotek Anbo, At.	boteP
inpotek	- by an electric strength test in accordance with 29.3.2, or	Anbotek Anbotek	Aup Nek
k Anbotek	- 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	otek Anbotek Anbotek	ek Ant
nbotek An	for accessible parts of reinforced insulation consisting of a single layer, by measurement in accordance with 29.3.4, or	Anbotek Anbotek An	ootekP ootek



hotek	IEC 60335-1	wak bojek Anbore	Dir
Clause	Requirement + Test	Result - Remark	Verdic
Aug	ak borek Anbor Anbor	abote And ak bo	16kg
nbotek Ani Anbotek	- 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	Anbotek Anbotek Anbotek Anbotek	pote ^k N Anbote ^k Anbot
Anbote	- 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	tek Anbotek Anbotek	N An
29.3.1	Supplementary insulation have a thickness of at least 1 mm	Anbotek Anbotek An	pote ^K P
Anbotek	Reinforced insulation have a thickness of at least 2 mm	Anbotek Anbotek	Anboten
29.3.2	Each layer of material withstand the electric strength test of 16.3 for supplementary insulation	ek Anbotek Anbotek	N Ant
ek Anb	Supplementary insulation consist of at least 2 layers	potek Anbotek Anbote	K N
otek D	Reinforced insulation consist of at least 3 layers	Ant Anbotek Ant	N
29.3.3	The insulation is subjected to the dry heat test Bb of IEC 60068-2-2, followed by	Anbotek Anbotek	inpote N
npotek	the electric strength test of 16.3	ek Vupotesk Vupo.	N.
Anbotek Anbotek	If the temperature rise during the tests of clause 19 does not exceed the value specified in table 3, the test of IEC 60068-2-2 is not carried out	otek Anbotek Anbotek Anbotel	N
29.3.4	Thickness of accessible parts of reinforced insulation consisting of a single layer not less than specified in table 19:	Anbotek Anbotek Anb	nboteP nbotel
30	RESISTANCE TO HEAT AND FIRE	100.5	
30.1	External parts of non-metallic material,	ok botek Anbore	Р
Pun	parts supporting live parts, and	ore Antorek Anborek	P
otek Anbo	parts of thermoplastic material providing supplementary or reinforced insulation	upotek Anbotek Anbo	P
hotek	sufficiently resistant to heat	Anboiek Anboiek A	Pek
orek.	Ball-pressure test according to IEC 60695-10-2	Anbotek Anbotek	Aupo,
Anbotek Anbot	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)	PP A
botek botek	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)	ootek P Anbotek





Anbotek An	HEC 60335-1	ik Anbotek Anbotek	Anbotel
Clause	Requirement + Test	Result - Remark	Verdict
anbotek anbotek	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)	Anbotek Anbotek

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y anbo	And Andrew	- otok Anbo An	ek-
otek An	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)	potekP Anbotek
30.2	Parts of non-metallic material resistant to ignition and spread of fire	tek Anbotek Anbotek	A Poste
k Aupor	This requirement does not apply to:	notek Anbotek Anbo	k P
nbotek Anl	parts having a mass not exceeding 0,5 g, provided the cumulative effect is unlikely to propagate flames that originate inside the appliance by propagating flames from one part to another, or	Anbotek Anbotek Anbotek Anbotek	potek N Anbotek
Anbotek Anbotek	decorative trims, knobs and other parts unlikely to be ignited or to propagate flames that originate inside the appliance	ek Anbotek Anbotek	Anbot Anbot
tek Anb	Compliance checked by the test of 30.2.1, and in addition:	potek Anbotek Anbot	otek P An
potek 1	- for attended appliances, 30.2.2 applies	An Anboten Ant	P
ntek.	- for unattended appliances, 30.2.3 applies	And otek Anbotek	Nog Nek
Auge	For appliances for remote operation, 30.2.3 applies	And stek Anbotek	NON
Anbotel	For base material of printed circuit boards, 30.2.4 applies	otek Anbotek Anbotek	B _{ipop}
30.2.1	Parts of non-metallic material subjected to the glow-wire test of IEC 60695-2-11 at 550°C	(see appended table 30.2)	P P
Aupotek A	However, test not carried out if the material is classified as having a glow-wire flammability index according to IEC 60695-2-12 of at least 550 °C, or	Anbotek Anbotek	nbotek Anbotek
Anborek	the material is classified at least HB40 according to IEC 60695-11-10	Anbotek Anbotek	Noore
orek Anbo	Parts for which the glow-wire test cannot be carried out need to meet the requirements in ISO 9772 for material classified HBF	Inpotek Anbotek Anbo	tek N
30.2.2	Appliances operated while attended, parts of non-metallic material supporting current-carrying connections, and	Anbotek Anbotek A	Aupotek Potek
Anbotek	parts of non-metallic material within a distance of 3mm of such connections,	stek Anborek Anbore	Anbo
otek vu	subjected to the glow-wire test of IEC 60695-2-11 with appropriate severity level:	(see appended table 30.2)	6/r b
anbotek In	- 750 °C, for connections carrying a current exceeding 0,5 A during normal operation	Anbotek Anbotek An	por P
Anbotek	- 650 °C, for other connections	Aupotek Aupa,	Notek





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botek	IEC 60335-1	ok bojek Anbo	10.
Clause	Requirement + Test	Result - Remark	Verdi
Dur	ak botek Anbo Anbo Arek	upose. Aug ok po	Kek
	Glow-wire applied to an interposed shielding material, if relevant	Anbotek Anbotek An	Nyaroot
hotek	The glow-wire test is not carried out on parts of mate wire flammability index according to IEC 60695-2-12		Aup N
Anbotek	- 750 °C, for connections carrying a current exceeding 0,5 A during normal operation	tek Anbotek Anbotek	N
Vupo.	- 650 °C, for other connections	potek Anbo. sek abot	N M
3k Vu	The glow-wire test is also not carried out on small pa	arts. These parts are to:	ote ^k N
Anbotek Anbotek	- comprise material having a glow-wire flammability index of at least 750 °C, or 650 °C as appropriate, or	Anbotek Anbotek An	Anbo'N's
Anbotek	- comply with the needle-flame test of Annex E, or	(see appended table 30.2/30.2.4)	N
k Ant	- comprise material classified as V-0 or V-1 according to IEC 60695-11-10:	ootek Anbotek Anbot	N otek
otek	Glow-wire test not applicable to conditions as specified:	Anbotek Anbotek Ank	Anbor N
0.2.3	Appliances operated while unattended, tested as specified in 30.2.3.1 and 30.2.3.2	k Anbotek Anbotek	PUN,
Anbore	The tests are not applicable to conditions as specified	potek Anbotek Anbote	N
0.2.3.1	Parts of non-metallic material supporting connections carrying a current exceeding 0,2 A during normal operation, and	Anbotek Anbotek Anb	otek N
botek	parts of non-metallic material, other than small parts, within a distance of 3 mm,	Anbotek Anbotek	AnbN'
Anbotek	subjected to the glow-wire test of IEC 60695-2-11 with a test severity of 850 °C	(see appended table 30.2)	N
anbc Anbc	Glow-wire applied to an interposed shielding material, if relevant	inpotek Aupotek Aup	N Nov
Potek Potek	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	Anbotek Anbotek A	Anbotel
0.2.3.2	Parts of non-metallic material supporting connections, and	tek Anbotek Anbotek	N
ak An	parts of non-metallic material within a distance of 3mm,	upotek Anbotek Anbo	N N
otek	subjected to the glow-wire test of IEC 60695-2-11 with appropriate severity level:	(see appended table 30.2)	Anbolo
Aupor	- 750 °C, for connections carrying a current exceeding 0,2 A during normal operation	Anbore Ans aborek	P(N)





potek	IEC 60335-1	rok bojek Anbo	No.
Clause	Requirement + Test	Result - Remark	Verdid
VUP	ask sporek Anboot Attack	abote And sek abo	ek.
iek An	- 650 °C, for other connections	upotek Anbor Ar.	Nyston
botek	Glow-wire applied to an interposed shielding material, if relevant	Anborek Anborek An	Aupor Nk
Anborek	However, the glow-wire test of 750 °C or 650 °C as a on parts of material fulfilling both or either of the follo		No.
Aupot.	- a glow-wire ignition temperature according to IEC 60695-2-13 of at least:	botek Anbotek Anbote	N.
otek Ant	775 °C, for connections carrying a current exceeding 0,2 A during normal operation	Anbotek Anbotek An	ote ^k N
rek	675 °C, for other connections	And otek Anbotek	Aupo N
Anbotek	- a glow-wire flammability index according to IEC 60695-2-12 of at least:	ek Anbotek Anbotek	Anh anh
k Anbore	- 750 °C, for connections carrying a current exceeding 0,2 A during normal operation	potek Anbotek Anbote	× N
Die.	- 650 °C, for other connections	Anbor ak hotek Anb	N
oze, t	The glow-wire test is also not carried out on small pa	irts. These parts are to:	nbot N
Anbotek Anbotek	- comprise material having a glow-wire ignition temperature of at least 775 °C or 675 °C as appropriate, or	Anbotek Anbotek	AniN's
k Anbo	- comprise material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or	Anbotek Anbotek Anbote	N P
ote. A	- comply with the needle-flame test of Annex E, or	Anbore, And Stek	oboteN
nbotek	- comprise material classified as V-0 or V-1 according to IEC 60695-11-10	Anbotek Anbotek	Aup Ne
Anbotek Anbotek	The consequential needle-flame test of Annex E app encroach within the vertical cylinder placed above th and on top of the non-metallic parts supporting curre parts of non-metallic material within a distance of 3 n parts are those:	e centre of the connection zone nt-carrying connections, and	N A
ibotek nbotek	- 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	Anbotek Anbotek Ar	Anbotek
Anbotek	- parts that comprised material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or	itek Anbotek Anbotek	N A
otek An	- small parts, that comprised material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or	Anbotek Anbotek Anbo	ootek N
hotek	- small parts for which the needle-flame test of Annex E was applied, or	And Anbotek	Nupo,

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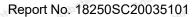


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stodes.	IEC 60335-1	ok botek Anbo	17
Clause	Requirement + Test	Result - Remark	Verdid
VUL	ak botek Anbo M. otek	apole And ak po	16K
	- small parts for which a material classification of V-0 or V-1 was applied	Amborek Ambore Am	ooteVN
potek	However, the consequential needle-flame test is not parts, including small parts, within the cylinder that a		AUP N
Anbotek	- parts having a glow-wire ignition temperature of at least 775 °C or 675 °C as appropriate, or	tek Anbotek Anbotek	N An
ek Anbo	- parts comprising material classified as V-0 or V-1 according to IEC 60695-11-10, or	botek Anbotek Anbot	N N
potek Anbotek	- parts shielded by a flame barrier that meets the needle-flame test of Annex E or that comprises material classified as V-0 or V-1 according to IEC 60695-11-10	Anbotek Anbotek An	Anborek Anborek
30.2.4	Base material of printed circuit boards subjected to the needle-flame test of Annex E	(see appended table 30.2/30.2.4)	Na
2/4 a)	Test not applicable to conditions as specified:	ob ak abotek Anbot	N
31	RESISTANCE TO RUSTING	240 841	-
o'o'ek	Relevant ferrous parts adequately protected against rusting	Anbotek Anbotek	inbot P
hotek.	Tests specified in part 2 when necessary	ok botek Anboten	N
32	RADIATION, TOXICITY AND SIMILAR HAZARDS		
k Au	Appliance does not emit harmful radiation or present a toxic or similar hazard due to their operation in normal use	Anbotek Anbotek Anbote	P
inbotek	Compliance is checked by the limits or tests specified in part 2, if relevant	Anbotek Anbotek	nbotel
4	ANNEX A (INFORMATIVE) ROUTINE TESTS		
k Anb	Description of routine tests to be carried out by the manufacturer	botek Anbotek Anbotek	N P
3	ANNEX B (NORMATIVE) APPLIANCES POWERED BY RECHARGEABLE E RECHARGED IN THE APPLIANCE	BATTERIES THAT ARE	
Anbotek	The following modifications to this standard are applicable for appliances powered by batteries that are recharged in the appliance	tek Anbotek Anbotek	Anbc
2000	Three forms of construction covered:	tek nbotek Anbote	- Pr
tek V	a) Appliance supplied directly from the supply mains or a renewable energy source, the battery charging circuitry and other supply unit circuitry incorporated within the appliance	Anbotek Anbotek Anbo	ootek N

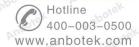


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- upoter	IEC 60335-1	tek Anboier Anbo	-
Clause	Requirement + Test	Result - Remark	Verdict
nbotek Anbotek	b) The part of the appliance incorporating the battery is supplied from the supply mains or a renewable energy source, via a detachable supply unit. The battery charging circuitry is incorporated within the part of the appliance containing the battery	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek
tek Anb	c) The part of the appliance incorporating the battery is supplied from the supply mains or a renewable energy source, via a detachable supply unit. The battery charging circuitry is incorporated within the detachable supply unit	botek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Nant orek
3.1.9	Appliance operated under the following conditions:		Anbo N
Anbotek	- the appliance, supplied by its fully charged battery, operated as specified in relevant part 2	ek Anbotek Anbotek	Anb
ek Anbore	- the battery is charged, the battery being initially discharged to such an extent that the appliance cannot operate	Sotek Anbotek Anbote	otek N
botek Anbotek Anbotek	-if possible, the appliance is supplied from the supply mains through its battery charger, the battery being initially discharged to such an extent that the appliance cannot operate. The appliance is operated as specified in relevant part 2	Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek
anbore Anbore	- if the appliance incorporates inductive coupling between two parts that are detachable from each other, the appliance is supplied from the supply mains with the detachable part removed	Anbotek Anbotek Anbotek	e N Ar
3.6.2	Part to be removed in order to discard the battery is not considered to be detachable	Anbotek Anbotek A	nbotek
5.B.101	Appliances supplied from the supply mains tested as specified for motor-operated appliances	k Anborek Anborek	Noor
7.1 Anbo	Battery compartment for batteries intended to be replaced by the user, marked with battery voltage (V) and polarity of the terminals:	mbotek Ambotek Ambotek	ISK N PU
inposek atek	The positive terminal indicated by symbol IEC 60417-5005 and the negative terminal by symbol IEC 60417-5006	Anbotek Anbotek Ar	Anbotek
Anbotek Anbotek	Appliances intending to be supplied from a detachable supply unit marked with symbol IEC 60417-6181 and its type reference along with symbol ISO 7000-0790 (2004-01), or	nbotek Anbotek Anbotek	ek An
otek Ant	use only with <model designation=""> supply unit:</model>	nbotek Anbotes Anto	note VN
7.6	Additional symbols	Anbotek Anbotes An	N
7.12	The instructions give information regarding charging	Anbotek Anboten	Anto N





"upote"	IEC 60335-1	tok Vipoje, Vip	
Clause	Requirement + Test	Result - Remark	Verdic
br.	Brek Andrew Andrew Lander Andrew	upo, busk Wupo,	(e)
	Instructions for appliances incorporating batteries intended to be replaced by the user include required information	Anbotek Anbotek An	potekN
Anbotek	Instructions for appliances containing non user-repla substance of the following:	ceable batteries state the	Note Anbore
Anbore	This appliance contains batteries that are only replaceable by skilled persons	lek Anbotek Anbotek	N _{rup}
tek Ant	Instructions for appliances containing non-replaceab substance of the following:	le batteries shall state the	otek N
hotek	This appliance contains batteries that are non-replaceable	Anbotek Anbotek	Aupo Nk
Anbotek	For appliances intending to be supplied from a detac purposes of recharging the battery, the type reference is stated along with the following:		Anbo
ek Aup	WARNING: For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance	Anbotek Anbotek Anbot	otek N P
Anbotek	If the symbol for detachable supply unit is used, its meaning is explained	Anbotek Anbotek	nbotek
7.15	Markings placed on the part of the appliance connected to the supply mains	Anborek Anborek	Nibo
sk aupo	The type reference of the detachable supply unit is placed in close proximity to the symbol	Poses Vuposek Vupose	N N
8.2	Appliances having batteries that according to the instruction may be replaced by the user need only have basic insulation between live parts and the inner surface of the battery compartment	Anbotek Anbotek Anb	nbotek Anbotek
Anbotek	If the appliance can be operated without batteries, double or reinforced insulation required	Anborek Anborek	Noor
11.7 Anbo	The battery is charged for the period stated in the instructions or 24 h:	obotek Anbotek Anbotek	N An
11.8 AT	Temperature rise of the battery surface does not exceed the limit in the battery manufacturer's specification; measured (K); limit (K)	Anbotek Anbotek An	lootek anbotek
Anbotek	If no limit specified, the temperature rise does not exceed 20 K; measured (K):	Anbotek Anbotek	Anbore Anbore
19.1 Anbot	Appliances subjected to tests of 19.B.101, 19.B.102 and 19.B.103	hotek Anbotek Anbotek	N _A CI
19.10	Not applicable	hotek Anbotek Anbo	N
19.B.101	Appliances supplied at rated voltage for 168 h, the battery being continually charged	Anbotek Anbotek An	potek

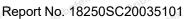
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	IEC 60335-1		
Clause	Requirement + Test	Result - Remark	Verdic
Aug	ak botek Anbo k. stek	upose Array	KEK
19.B.102	For appliances having batteries that can be removed without the aid of a tool, short-circuit of the terminals of the battery, the battery being fully charged,	Anbotek Anbotek An	Aupotek V
19.B.103	Appliances having batteries replaceable by the user supplied at rated voltage under normal operation with the battery removed or in any position allowed by the construction	lek Anbotek Anbotek	ek An
19.13	The battery does not rupture or ignite	anborek Anbore An	otekN
21.B.101	Appliances having pins for insertion into socket- outlets have adequate mechanical strength	Aupotek Aupotek Au	Anbotek
Anborek	Part of the appliance incorporating the pins subjected 2, of IEC 60068-2-31, the number of falls being:	d to the free fall test, procedure	Aupor
Anbote	- 100, if the mass of the part does not exceed 250 g (g)	potek Anbotek Anbote	N
Sk Wup	- 50, if the mass of the part exceeds 250 g:	Anbotek Anbor An	otek N
otek p	After the test, the requirements of 8.1, 15.1.1, 16.3 and clause 29 are met	Anbotek Anbotek	N _{todni}
22.3	Appliances having pins for insertion into socket- outlets tested as fully assembled as possible	Anbotek Anbotek	An N
25.13	An additional lining or bushing not required for interconnection cords in class III appliances or class III constructions operating at safety extra-low voltage not containing live parts	Anbotek Anbotek Anbotek	N N
30.2	For parts of the appliance connected to the supply mains during the charging period, 30.2.3 applies	Anbotek Anbotek A	nbot N
abotek	For other parts, 30.2.2 applies	K nbotek Anbote	N
	ANNEX C (NORMATIVE) AGEING TEST ON MOTORS		
yek Anbo	Tests, as described, carried out when doubt with regard to the temperature classification of the insulation of a motor winding	Upotek Vupotek Vupo	lootek
hotek	Test conditions as specified	Aupoten Pupo, Tek	No No
)	ANNEX D (NORMATIVE) THERMAL MOTOR PROTECTORS		
Anbot Anbot	Applicable to appliances having motors that incorporate thermal motor protectors necessary for compliance with the standard	nbotek Anbotek Anbotek	N
e Pu	Test conditions as specified	Anbore And Morek An	o ^{tel} N
. AT	ANNEX E (NORMATIVE) NEEDLE-FLAME TEST		







"hote"	IEC 60335-1	rok mboter And	-
Clause	Requirement + Test	Result - Remark	Verdict
otek Ar	Needle-flame test carried out in accordance with IEC modifications:	60695-11-5, with the following	pote VN
7 ⁰⁰¹⁶	Severities	Anbotek Anb	Aup of ex
Anbotek	The duration of application of the test flame is 30 s ± 1 s	Anbotek Anbotek	Note
9	Test procedure	An hotek Ambotek	N
9.1	The specimen so arranged that the flame can be applied to a vertical or horizontal edge as shown in the examples of Figure 1	Anbotek Anbotek Anbo	botek N
9.2	The first paragraph does not apply	Anbo tek nbotek	Aupold
Anborek	If possible, the flame is applied at least 10 mm from a corner	ek Anbotek Anbotek	A/NO
9.3	The test is carried out on one specimen	otek upotek Anbor	N
hotek Ant	If the specimen does not withstand the test, the test may be repeated on two additional specimens, both withstanding the test	Anbotek Anbotek Anbot	otek N P
11 NOTE	Evaluation of test results	Anbotek Anbotek	Nupa N
Vuen	The duration of burning not exceeding 30 s	And otek Anbotek	PUN.
Anbote	However, for printed circuit boards, the duration of burning not exceeding 15 s	otek Anbotek Anbotek	N _{1/00}
F	ANNEX F (NORMATIVE) CAPACITORS		
Anbotek Anbotek	Capacitors likely to be permanently subjected to the radio interference suppression or voltage dividing, co of IEC 60384-14, with the following modifications:		nbotek Anbotek
1.5	Terms and definitions	yk Aupore Aur Potek	Noo
1.5.3	Class X capacitors tested according to subclass X2	otek Anbote Am hotel	N N
1.5.4 And	This subclause is applicable	abotek Anbote And	N N
1.6	Marking	Anbotek Anboten And	Netel
hotek	Items a) and b) are applicable	Anhorek Anhorek A	Nek
3.4	Approval testing	Anbotek Anbotek	Anbo
3.4.3.2	Table 3 is applicable as described	And otek Anbotek	PN
4.1 Anot	Visual examination and check of dimensions	oter And otek anbotek	Neg
Anbo	This subclause is applicable	upoter Anbusek abo	e ^k N
4.2	Electrical tests	Anbotek Anbo. sek	orelN
4.2.1	This subclause is applicable	unbotek Anbor Ak	N/-
4.2.5	This subclause is applicable	abotek Anbote	Note

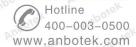
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botel	IEC 60335-1	Pro
Clause	Requirement + Test Result - Remark	Verdict
rek bi.	Values for test A apply	N
inpotek b	However, for capacitors in heating appliances the values for test B or C apply	N
4.12	Damp heat, steady state	No _{4e}
Anborok	This subclause is applicable	N
- Anbo	Only insulation resistance and voltage proof are checked	N
4.13	Impulse voltage	o ^{tek} N
horek	This subclause is applicable	nbº N
4.14	Endurance	Notes
Anbotek	Subclauses 4.14.1, 4.14.3, 4.14.4 and 4.14.7 are applicable	N Arib
4.14.7	Only insulation resistance and voltage proof are checked	N P
notek	No visible damage	N
4.17	Passive flammability test	Nel
Ann	This subclause is applicable	ANN
4.18	Active flammability test	N
Aupo	This subclause is applicable	N
G	ANNEX G (NORMATIVE) SAFETY ISOLATING TRANSFORMERS	
Anbotek	The following modifications to this standard are applicable for safety isolating transformers:	nbo N Anbotek
7 Anbores	Marking and instructions	Noo
7.1 Anbore	Transformers for specific use marked with:	N
	-name, trademark or identification mark of the manufacturer or responsible vendor:	N N
over b	-model or type reference:	boteN
17	Overload protection of transformers and associated circuits	No No K
Anborek	Fail-safe transformers comply with subclause 15.5 of IEC 61558-1	Not
22	Construction	NAG
stek Anbe	Subclauses 19.1 and 19.1.2 of IEC 61558-2-6 are applicable	e _k N
29	Clearances, creepage distances and solid insulation	N
29.1, 29.2, 29.3	The distances specified in items 2a, 2c and 3 in table 13 of IEC 61558-1 apply	Anboro N

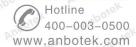
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04/00	K. Spole, Mu	HOR PUDS	
Clause	Requirement + Test	Result - Remark	Verdic
bu.	arek anboten Anti-	upo, W. Polek Pupo,	
	For insulated winding wires complying with subclause 19.12.3 of IEC 61558-1 there are no requirements for clearances or creepage distances	Anbotek Anbotek An	potekN potek
Anbotek Anbotek	For windings providing reinforced insulation, the distance specified in item 2c of table 13 of IEC 61558-1 is not assessed	lek Anbotek Anbotek	N Anbore
	For safety isolating transformers subjected to periodic voltages with a frequency exceeding 30 kHz, the clearances, creepage distances and solid insulation values specified in IEC 60664-4 are applicable, if greater than the values specified in items 2a, 2c and 3 in table 13 of IEC 61558-1	botek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	otek Anbotek
Н	ANNEX H (NORMATIVE) SWITCHES		
Anbore	Switches comply with the following clauses of IEC 67	1058-1, as modified below:	k
ek Aup	The tests of IEC 61058-1 carried out under the conditions occurring in the appliance	Anbotek Anbotek Anbo	otek N
potek A	Before being tested, switches are operated 20 times without load	Anbotek Anbotek	inbot N
8 hotek	Marking and documentation	ak botek Anbotes	N
Ar. Potek	Switches are not required to be marked	k hotek Anboten	N
yk Aupo	However, a switch that can be tested separately from the appliance marked with the manufacturer's name or trade mark and the type reference	Anbotek Anbotek Anbote	N A
13	Mechanism	Aupon ok Posek b	nboreN
Aupore	The tests may be carried out on a separate sample	Aupores Aup	No Nier
15 Abotel	Insulation resistance and dielectric strength	k Anboien Ann otek	No
15.1 Mbores	Not applicable	otek Anbotek Anbo	N
15.2 Moo	Not applicable	potek Anbotek Anbo	ek N
15.3	Applicable for full disconnection and micro- disconnection	Anbotek Anbotek Anbe	ibotelN
17	Endurance	Anboren Anbo	anb Nok
Anbotek	Compliance is checked on three separate appliances or switches	Anbotek Ambotek	No
Anboh	For 17.2.4.4, the number of cycles declared according to 7.1.4 is 10 000, unless	obotek Anbotek Anbotek	ek Nan
isek bul	otherwise specified in 24.1.3 of the relevant part 2 of IEC 60335:	Anbotek Anbotek Anb	_{bote} kN
upor sek	Switches for operation under no load and which can be operated only by a tool, and	Anbort Antotek	Aupoli

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DUPO.	IEC 60335-1	tok Aupo, VI.	- 0
Clause	Requirement + Test	Result - Remark	Verdic
br.	Josek Anbotes And And Abotek A	upo. K Polek Pupo,	10.
ter b	switches operated by hand that are interlocked so that they cannot be operated under load,	Anbotek Anbotek Ar	PoteN
	are not subjected to the tests	Anbo, Ak abotek	Aup of S
Anborek	However, switches without this interlock are subjected to the test of 17.2.4.4 for 100 cycles of operation	rek Anbotek Anbotek	ArNot An
Anbo	Subclauses 17.2.2 and 17.2.5.2 not applicable	botek Anboten Anb	^N N
ek ni	The ambient temperature during the test is that	otek nabotek kabo	.xeVN
	occurring in the appliance during the test of Clause 11 in IEC 60335-1	Anborek Anborek An	anbotek
Anbotek Anbotek	The temperature rise of the terminals not more than 30 K above the temperature rise measured in clause 11 of IEC 60335-1 (K):	ek Anbotek Anbotek	Ant Ant
20 AUPO	Clearances, creepage distances, solid insulation and assemblies	I coatings of rigid printed board	⊬ N
otek Ar	Clause 20 is applicable to clearances across full disconnection and micro-disconnection	Anbotek Anbotek Ant	o _{te} N
Anbotek Anbotek	It is also applicable to creepage distances for functional insulation, across full disconnection and micro-disconnection, as stated in Table 24	Anbotek Anbotek	Aupole
	ANNEX I (NORMATIVE) MOTORS HAVING BASIC INSULATION THAT IS I RATED VOLTAGE OF THE APPLIANCE	NADEQUATE FOR THE	
otek	The following modifications to this standard are appli insulation that is inadequate for the rated voltage of the standard are applied to the		nbote N
3uports	Protection against access to live parts	Aupole Aug	AU/pUye,
3.1 nbore	Metal parts of the motor are considered to be bare live parts	K Anborek Anborek	Noc
11	Heating	ok Antorek Anborek	N
11.3	The temperature rise of the body of the motor is determined instead of the temperature rise of the windings	Wholek Wholek Wholek Wholek	potek N
11.8 Anbotek	The temperature rise of the body of the motor, where in contact with insulating material, not exceeding values in table 3 for the relevant insulating material	Anbotek Anbotek Anbotek Anbotek	Anbo
16 Anb	Leakage current and electric strength	abotek Anbotes Anbo	e ^V N
16.3	Insulation between live parts of the motor and its other metal parts is not subjected to the test	Anbotek Anbotek Anbo	ootekN
19	Abnormal operation	Aupotes Aurotek	Anb N
19.1	The tests of 19.7 to 19.9 are not carried out	Anboter Anbo	No.
	100	10h 400,	PA .





IEC 60335-1			
lause	Requirement + Test	Result - Remark	Verdic
. Ali	Totak Majorak Muga M. Botak	upor Air.	4SL
	- short circuit of the terminals of the motor, including any capacitor incorporated in the motor circuit	Anbotek Anbotek Ar	botek
anbotek	- short circuit of each diode of the rectifier	anbotek Anbote	N
abotek	- open circuit of the supply to the motor	ek nbotek Anbote	N
Aupot	- open circuit of any parallel resistor, the motor being in operation	botek Anbotek Anbote	N N
atek An	Only one fault simulated at a time, the tests carried out consecutively	Anbotek Anbotek An	ootek N
2	Construction	Anbo. sek anbotek	Aupolo N
2.I.101	For class I appliances incorporating a motor supplied by a rectifier circuit, the d.c. circuit being insulated from accessible parts of the appliance by double or reinforced insulation	ek Anbotek Anbotek botek Anbotek Anbotek	And And
k Aut	Compliance checked by the tests specified for double and reinforced insulation	Anbotek Anbotek Anb	otek N
	ANNEX J (NORMATIVE) COATED PRINTED CIRCUIT BOARDS		
Anbotek	Testing of protective coatings of printed circuit board with IEC 60664-3 with the following modifications:	ls carried out in accordance	Am N Amb
.7 Anbore	Conditioning of the test specimens	potek Anbore Ans	N
rek Anb	When production samples are used, three samples of the printed circuit board are tested	Anbotek Anbotek Anb	otek N
.7.1	Cold	Aupo, tek upotek	nboreN
upo.	The test is carried out at -25 °C	Anbor Ar abotek	AUPUL
.7.3	Rapid change of temperature	Anbow ak abotek	No
Aupor	Severity 1 is specified	otek Anbors An botel	N
.9 Anbc	Additional tests	aborek Anbore Am	Kel N
iek M	This subclause is not applicable	botek Anbotes Anti-	N
	ANNEX K (NORMATIVE) OVERVOLTAGE CATEGORIES		
Anborek	The information on overvoltage categories is extracted from IEC 60664-1	tek Anbotek Anbotek	Proc
Anbo	Overvoltage category is a numeral defining a transient overvoltage condition	nbotek Anbotek Anbotek	PA PA
ek Vi	Equipment of overvoltage category IV is for use at the origin of the installation	Anbotek Anbotek Ar	loorel N
Anbotek	Equipment of overvoltage category III is equipment in fixed installations and for cases where the reliability and the availability of the equipment is subject to special requirements	Ambotek Ambotek	Anboi



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	IEC 60335-1		
Clause	Requirement + Test	Result - Remark	Verdic
AUG	ak spotek Aupo. A. Stek	abolis And ak abol	(e)k
	Equipment of overvoltage category II is energy consuming equipment to be supplied from the fixed installation	Anbotek Anbotek An	potekN potek
Anbotek Anbotek	If such equipment is subjected to special requirements with regard to reliability and availability, overvoltage category III applies	lek Aupotek Aupotek	N _{Anbot}
ek Anbote	Equipment of overvoltage category I is equipment for connection to circuits in which measures are taken to limit transient overvoltages to an appropriate low level	botek Anbotek Anbotek Anbot	orek
-	ANNEX L (INFORMATIVE) GUIDANCE FOR THE MEASUREMENT OF CLEAF DISTANCES	RANCES AND CREEPAGE	
Anborel	Information for the determination of clearances and creepage distances	ootek Anbotek Anbotek	k tu
VI	ANNEX M (NORMATIVE) POLLUTION DEGREE		
hotek A	The information on pollution degrees is extracted from IEC 60664-1	Anborek Anborek	inbot P
pur potek	Pollution	k hotek Anbotek	Anbo P
Anbotek Anbotek	The microenvironment determines the effect of pollution on the insulation, taking into account the macroenvironment	otek Anbotek Anbotek	P
otek by	Means may be provided to reduce pollution at the insulation by effective enclosures or similar	Anbotek Anbotek Anb	P
nbotek	Minimum clearances specified where pollution may be present in the microenvironment	Anbotek Anbotek	AnbBel
Vupo.	Degrees of pollution in the microenvironment	Aubo sek upotek	lb _{/o}
Anbo	For evaluating creepage distances, the following deg microenvironment are established:	rees of pollution in the	P
yek An	- pollution degree 1: no pollution or only dry, non- conductive pollution occurs. The pollution has no influence	Anbotek Anbotek Anbo	botel ^N
Anbotek Anbotek	- pollution degree 2: only non-conductive pollution occurs, except that occasionally a temporary conductivity caused by condensation is to be expected	tek Anbotek Anbotek	Anbo Anbo
ek Anbo. Botek	- pollution degree 3: conductive pollution occurs or dry non-conductive pollution occurs that becomes conductive due to condensation that is to be expected	Anbotek Anbotek Anbotek Anbot	ek N
Anbotek	- pollution degree 4: the pollution generates persistent conductivity caused by conductive dust or by rain or snow	Anbotek Anbotek	Anbo





Ar. hotek	Anboren Anbo	IEC 60335-1	ak botek	Aupoten	Anbo
Clause	Requirement + Test	upotek Anb	Result - Remark	Anbotek	Verdict

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N	ANNEX N (NORMATIVE) PROOF TRACKING TEST		
upotek	The proof tracking test is carried out in accordance with IEC 60112 with the following modifications:	Aup N	
7 abotek	Test apparatus	N	
7.3	Test solutions	N	
ok bir	Test solution A is used	N A	
10	Determination of proof tracking index (PTI)	Anboren N	
10.1	Procedure	AnboiN	
Anbotes	The proof voltage is 100V, 175V, 400V or 600V:	Whiek	
Anborek	The test is carried out on five specimens	N Noo'	
tek Anto	In case of doubt, additional test with proof voltage reduced by 25V, the number of drops increased to 100	otek N An	
10.2	Report Andrew Andrew Andrew Andrew Andrew Andrew	N	
Anbotek	The report states if the PTI value was based on a test using 100 drops with a test voltage of (PTI-25)	Anborek Anborek	
0	ANNEX O (INFORMATIVE) SELECTION AND SEQUENCE OF THE TESTS OF CLAUSE 30		
ek Aup	Description of tests for determination of resistance to heat and fire	ibotek P	
Р	ANNEX P (INFORMATIVE) GUIDANCE FOR THE APPLICATION OF THIS STANDARD TO APPLIANCES USED IN TROPICAL CLIMATES		
Aupotek	Modifications applicable for class 0 and 01 appliances having a rated voltage exceeding 150V, intended to be used in countries having a tropical climate and tha are marked with symbol IEC 60417-6332	t. Anb	
otek A	Modifications may also be applied to class 1 appliances having a rated voltage exceeding 150V, intended to be used in countries having a tropical climate and tha are marked with symbol IEC 60417-6332, if liable to be connected to a supply mains that excludes the protective earthing conductor	t Arbotek	
5.7 odek	The ambient temperature for the tests of clauses 11 and 13 is 40 +3/0 °C	Motel	
7.1 Anbo	The appliance marked with symbol IEC 60417-6332	NAME A	
7.12	The instructions state that the appliance is to be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30 mA	Anbotek Anbotek	





6400	IEC 60335-1	tek Vipo, VI	
Clause	Requirement + Test	Result - Remark	Verdic
hbotek Ar	The instructions state that the appliance is considered to be suitable for use in countries having a tropical climate, but may also be used in other countries	Anbotek Anbotek Anbotek Anbotek Anbotek	ootekN Anbotek
Anbotek Anbotek	If symbol IEC 60417-6332 is used, its meaning is explained	tek Anbotek Anbotek	N
11.8	The values of Table 3 are reduced by 15 K	Lotek Anbotek Anbo	, N
13.2	The leakage current for class I appliances not exceeding 0,5 mA	Anbotek Anbotek Anbo	ootek N
15.3	The value of t is 37 °C	Anborek Anbo	nbo'N'
16.2	The leakage current for class I appliances not exceeding 0,5 mA (mA):	Anbotek Anbotek	Amber
19.13	The leakage current test of 16.2 is applied in addition to the electric strength test of 16.3	botek Anbotek Anbotek	N
Q	ANNEX Q (INFORMATIVE) SEQUENCE OF TESTS FOR THE EVALUATION C	F ELECTRONIC CIRCUITS	
DO.	Description of tests for appliances incorporating elec-	tronic circuits	^{rupo} te.
R	ANNEX R (NORMATIVE) SOFTWARE EVALUATION		
Anbore	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2 validated in accordance with the requirements of this annex	Potek Aupotek Vupote Walter Vupotek Vupote	N N
R.1	Programmable electronic circuits using software	Anbotek Anbo	oboteN
Anbotek Anbotek Anbotel	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2 constructed so that the software does not impair compliance with the requirements of this standard	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anb ^{Nel}
R.2 And	Requirements for the architecture	Anborek Anbo	lek N
nbotek Anbotek	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2 use measures to control and avoid software-related faults/errors in safety-related data and safety-related segments of the software	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
R.2.1.1	Programmable electronic circuits requiring software control the fault/error conditions specified in table R. structures:		N N
botek	- single channel with periodic self-test and monitoring	Anbotek Anbotek An	Nk
v upotek	- dual channel (homogenous) with comparison	Anborek Anbo	N





Anshotek	Anborer Anbe	IEC 60335-1	Aug Polek	Anbotek	Anbo
Clause	Requirement + Test	c abotek Ant	Result - Remark	Anbotek	Verdict

Clause	Requirement + rest	Result - Remark	verdict
Ans	Teek abotek Anbo. A hotek	upote And abo	ick b
Jotek An	Programmable electronic circuits requiring software i control the fault/error conditions specified in table R. structures:		ootekN botek
abotek	- single channel with functional test	anbotek Anbote	Notek
A shotek	- single channel with periodic self-test	ek anbotek Anbote	N
k abore	- dual channel without comparison	tek abotek Anbore	N
R.2.2	Measures to control faults/errors	ibo. Anborek Anbor	N P
R.2.2.1	When redundant memory with comparison is provided on two areas of the same component, the data in one area is stored in a different format from that in the other area	Anbotek Anbotek An	Anbotek Anbotek
R.2.2.2	Programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.2 and that use dual channel structures with comparison, have additional fault/error detection means for any fault/errors not detected by the comparison	ek Anbotek Anbotek ootek Anbotek Anbotek Anbotek Anbotek Anbote Anbotek Anbotek Anbotek	N Anbor
R.2.2.3	For programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, means are provided for the recognition and control of errors in transmissions to external safety-related data paths	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Antook Antook
R.2.2.4	For programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, the programmable electronic circuits incorporate measures to address the fault/errors in safety-related segments and data indicated in table R.1 and R.2 as appropriate	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
R.2.2.5	For programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, detection of a fault/error occur before compliance with clause 19 is impaired	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	lpotek
R.2.2.6	The software is referenced to relevant parts of the operating sequence and the associated hardware functions	Hek Anbotek Anbotek	Note!
R.2.2.7	Labels used for memory locations are unique	abotek Anbotes And	et N
R.2.2.8	The software is protected from user alteration of safety-related segments and data	Anbotek Anbotek Anbo	ooteVN
R.2.2.9	Software and safety-related hardware under its control is initialized and terminates before compliance with clause 19 is impaired	Aupotek Aupotek	Anbotek Anbotek
000	Mon Dir	ie. vup	-/0





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poten	IEC 60335-1	work boje. And	
Clause	Requirement + Test	Result - Remark	Verdic
And	otek potek Anbo Ar botek	nbore Ans	KEK
R.3	Measures to avoid errors	aupotek Aupo Kr	Nystoo
R.3.1	General	abotek Anbor Al	N
	For programmable electronic circuits with functions r measures to control the fault/error conditions specific following measures to avoid systematic fault in the s	ed in table R.1 or R.2, the	Anbor
tek Anbot	Software that incorporates measures used to control the fault/error conditions specified in table R.2 is inherently acceptable for software required to control the fault/error conditions specified in table R.1	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	ek N ⁿ
R.3.2	Specification	hotek Anbores	And N
R.3.2.1	Software safety requirements:	Software Id:	V.N.
Anbore	The specification of the software safety requirements includes the descriptions listed	potek Anbotek Anbotek	N _{Up}
R.3.2.2	Software architecture	botek Anbotek Anb	tek N
R.3.2.2.1	The specification of the software architecture includes the aspects listed - techniques and measures to control software faults/errors (refer to R.2.2); - interactions between hardware and software;	Document ref. No:	Anbotel Anbotel
	 partitioning into modules and their allocation to the specified safety functions; hierarchy and call structure of the modules (control flow); interrupt handling; data flow and restrictions on data access; architecture and storage of data; time-based dependencies of sequences and data 	Anbotek	otek nbotek Anbotek Anbo
R.3.2.2.2	The architecture specification is validated against the specification of the software safety requirements by static analysis	Inbotek Anbotek Anbote	N A
R.3.2.3	Module design and coding	And stek anbotek A	N.
R.3.2.3.1	Based on the architecture design, software is suitably refined into modules	Anbotek Anbotek	Anboro
Anbotek Anbotek	Software module design and coding is implemented in a way that is traceable to the software architecture and requirements	abotek Anbotek Anbotek	N An
R.3.2.3.2	Software code is structured	shotek Anbote And	N _{VSV} N
R.3.2.3.3	Coded software is validated against the module specification by static analysis	Vupotek Vupotek Vu	N _k
Aupore	The module specification is validated against the architecture specification by static analysis	Anbore And Anborek	Ar Note





- Aupoter	IEC 60335-1	Anbotek Anbotek	Anbotel
Clause	Requirement + Test	Result - Remark	Verdict
Aug	ak notek Anbout All rek	pore And ok ho	lek b
R.3.3.3	Software validation	abotek Anbote Ans	-OteVN
inbotek Anbotek	The software is validated with reference to the requirements of the software safety requirements specification	Anbotek Anbotek An	Nk
nbotek	Compliance is checked by simulation of:	ek anbotek Anbote	N
- aboti	- input signals present during normal operation	ek shotek Anbore	N
ok or	- anticipated occurrences	bo, Ar spotek Aupot	N
V. Dir.	- undesired conditions requiring system action	Anbors K An	o ^{ter} N

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Androtek	Anbotek Anbo	IEC 60335-1	ok bojek	Anboten	Anbo
Clause	Requirement + Test	ak abovek An	Result - Remark	Anbotek	Verdict

Component	Fault/error	Acceptable measures b, c	Definitions	Document	Document	Ver-
a a	raulverror	Acceptable measures	Definitions	reference for applied measure	reference for applied test	dict
1 CPU	tek Pupo	rek Anbotek Anbotek	Anbotek	Anbotek	Anbotek	N p
Registers	Stuck at	Functional test, or	H.2.16.5	k abore	k Aupo.	.\/.
	rotek	periodic self-test using either:	H.2.16.6	br.	orek An	poter
	Anbo	- static memory test, or	H.2.19.6	Olen Vul	-ok	sbotel
Aupotek	Anborek	 word protection with single bit redundancy 	H.2.19.8.2	inpotek	Anborek	Anb
1.2 VOID	N VILL	ek Anbotek Anbo	botek	Anbore	Aug	N
1.3 Programme	Stuck at	Functional test, or	H.2.16.5	Aupoten	K Anbote	» N
counter	porek An	Periodic self-test, or Independent time-slot	H.2.16.6 H.2.18.10.4	k Aupor	otek Ant	otek
	Aupotek Vanpotek	monitoring, or Logical monitoring of the programme sequence	H.2.18.10.2	upotek Aup	nbotek	rupo _{tek}
2 Interrupt nandling and	No interrupt or too frequent	Functional test, or time-slot monitoring	H.2.16.5 H.2.18.10.4	Anborek Anborek	Anbotek Anbotek	N
execution	interrupt	Antote Ant tok mbot	k Aupo.	NA NA	rek anb	Of C.
3 Clock	Wrong frequency (for quartz	Frequency monitoring, or time slot monitoring	H.2.18.10.1 H.2.18.10.4	lpotek Aur	upotek p	nboN ^k
	synchroniz ed clock: harmonics/	k Anbotek Anbotek	Anbotek Anbotek	Anbotek	Anborek Anborek	An
riek Anb	sub- harmonics only)	nbotek Anbotek Anbotek	k Aupolek	ek Anbotek	cek Anbo	iek ek
4. Memory	abotek	Anbore Ant	oten Anbe	otek vi	botek A	N O
1.10 ^{b0}	All single	Periodic modified checksum, or	H.2.19.3.1	DO, V.	hotek	Anbot
nvariable nemory	bit faults	multiple checksum, or	H.2.19.3.2	Aupolen	Ann	
Ambote	Aupora	word protection with single bit redundancy	H.2.19.8.2	Anbotek	Anbor	Dr.
1.2 Anbo	DC fault	Periodic static memory test, or	H.2.19.6	Anbors.	h bus	e ^k N
/ariable nemory	ipotek A	word protection with single bit redundancy	H.2.19.8.2	ok Aupot	otek Anbo	potek
	VUD.	botek Anbor An	la You	oter An	V.	5050





poter	AM	otek	Vupo,	Mr.	aboten	AMO	
VI. Potek	Anboren	Aup	IEC 60	335-1	An botek	Aupoter	

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	Clause	Requirement	+ Test	Result -	Remark	Verdict
100	4.3 Addressing (relevant to variable and invariable memory)	Stuck at	Word protection with single bit redundancy including the address	H.2.19.8.2	ak Anborek Anborek Anborek Anborek Anborek	Anbotek Anbotek
0	5 Internal data path	Stuck at	Word protection with single bit redundancy	H.2.19.8.2	Ambotek Ambotek	ek Nn
O,	5.1 VOID	bojek A	bote Ant hotek Anbotek	VUpp	k opolek An	N
0	5.2 Addressing	Wrong address	Word protection with single bit redundancy including the address	H.2.19.8.2	otek Antotek	Anbotek Anbotek
26	6 External communicat ion	Hamming distance 3	Word protection with multi-bit redundancy, or CRC – single work, or Transfer redundancy, or Protocol test	H.2.19.8.1 H.2.19.4.1 H.2.18.2.2 H.2.18.14	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Potek Wpor
	6.1 VOID	Aupor	Anborek Anbores Anb	otek anb	stek Aup	N.K
	6.2 VOID	Aupor	hotek Anboten An	otek	upotek Wupor	Note
10° 10° 10° 10° 10° 10° 10° 10° 10° 10°	6.3 Timing 7 Input/output periphery	Wrong point in time Wrong sequence Fault conditions specified in	Time-slot monitoring, or scheduled transmission Time-slot and logical monitoring, or comparison of redundant communication channels by either: - reciprocal comparison - independent hardware comparator Logical monitoring, or time-slot monitoring, or Scheduled transmission Plausibility check	H.2.18.10.4 H.2.18.18 H.2.18.10.3 H.2.18.15 H.2.18.3 H.2.18.10.2 H.2.18.10.4 H.2.18.18 H.2.18.18	Anbotek	k N Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
	Anb	19.11.2	Anbotek Anbotek	Anborek	Aupotek Pupotek	Anbo
15	7.1 VOID	Jok Dup	tek Anbore Ali	Anboie	Anbo Anbo	N N
100	7.2 Analog I/O 7.2.1 A/D and D/A- converter	Fault conditions specified in 19.11.2	Plausibility check	H.2.18.13	ek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek





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		Aug Stek	IEC 60335-1				
Clause	Requirement	+ Test	abotek An	Result -	Remark	Anbotek	Verdict
And	· // //	otek Anbo	Pr. Stok	NO POOR	And	hotel	
7.2.2 Analog multiplexer	Wrong addressing	Plausibility check	Anbotel H.2	.18.13	sk Vupore	ek Anbe	lek N
8 VOID	Aupor	Purpo,	Anb Anb	2K 20	potek Ar	por V	Ne
9 Custom chips ^d e.g. ASIC, GAL, gate array	Any output outside the static and dynamic functional specificatio n	Periodic self-test	H.2	2.16.6	Anbotek Anbotek Anbotek	Anbotek Anbotek Anbotek	Anb.

NOTE A Stuck-at fault model denotes a fault model representing an open circuit or a non-varying signal level. A DC fault model denotes a stuck-at fault model incorporating short circuit between signal lines.

e) Table R.1 is applied according to the requirements of R.1 to R.2.2.9 inclusive.

S	ANNEX S (NORMATIVE) BATTERY OPERATED APPLIANCES POWERED NON-RECHARGEABLE OR NOT RECHARGED IN		
ek Anbor	The following modifications to this standard are applicable for battery-operated appliances where the batteries are either non-rechargeable (primary batteries), or	Anbotek Anbotek Anbotek Anbotek Anbotek Anb	otek p
Anborek	rechargeable batteries (secondary batteries) that are not recharged in the appliance	Amborek Amborek A	nbo N Anboiek
5.8.1	If the supply terminals for the connection of the battery have no indication of polarity, the more unfavourable polarity is applied	otek Anbotek Anbotek	N _b otek Anbotek
5.S.101	Appliances intended for use with a battery box are tested with the battery box supplied with the appliance or with the battery box recommended in the instructions	Anbotek Anbotek Anno	lek N V
5.S.102	Appliances are tested as motor-operated appliances.	Anborek Anborek	Anb N hotek
7.1 Ambotek	Appliances marked with the battery voltage (V) and the polarity of the terminals, unless	etek Anborek Anbore	N Anbo
k Anbo	the polarity is irrelevant	apotek Aupon ak mo	ek N pr
otek Ar	Appliances also marked with:	anbotek Anbotes Anb	hoře ^M N
inposek	name, trade mark or identification mark of the manufacturer or responsible vendor	Aupotek Aupotek Au	Aupolik
Aupor	- model or type reference:	Aupor by wotek	A.Notes



a) For fault/error assessment, some components are divided into their sub-functions.

b) For each sub-function in the table, the Table R.2 measure will cover the software fault/error.

c) Where more than one measure is given for a sub-function, these are alternatives.

d) To be divided as necessary by the manufacturer into sub-functions.

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hotek Anbout All tek IEC 60335-1 not hotek Anbout Anbout						
Clause	Requirement + Test	Result - Remark	Verdict			
And	tolk posek Aupo, M. Viek	upote Ann	kek.			
	IP number according to degree of protection against ingress of water, other than IPX0:	Anbotek Anbore An	PoteW			
upote	- type reference of battery or batteries	Anbore Am borek	Pup N			
Anborek Anborek	If relevant, the positive terminal is indicated by the symbol IEC 60417-5005 and the negative terminal by the symbol IEC 60417-5006	tek Anbotek Anbotek	Anb			
Hek Anh	If appliances use more than one battery, they are marked to indicate correct polarity connection of the batteries	Anbotek Anbotek Anbot	orek N p			
7.6	Additional symbols	Anbotes Anbo otek	Anbo'N'			
7.12	The instructions contain the following, as applicable:	Anboren And	Pier			
Anboren	- the types of batteries that may be used:	ek Anboten Anbotek	N			
Anbore	– how to remove and insert the batteries	otek Anbotek Anbo	N			
iek Anb	 non-rechargeable batteries are not to be recharged 	Anbotek Anbotek Anbo	otek N			
	rechargeable batteries are to be removed from the appliance before being charged	Anbotek Anbotek	unbot N			
Anbotek	different types of batteries or new and used batteries are not to be mixed	k Anbotek Anbotek	AnN Noo			
ek Aupote	batteries are to be inserted with the correct polarity	otek Anbotes Anbote	N PAC			
potek And	 exhausted batteries are to be removed from the appliance and safely disposed of 	Anborek Anborek Anb	otek N			
Anbotek	 if the appliance is to be stored unused for a long period, the batteries are removed 	Anbotek Anbotek	N _{ek}			
Aupo,	- the supply terminals are not to be short-circuited	K Anbou ak An botok	Noot			
11.5 Anbore	Appliances are supplied with the most unfavourable	supply voltage between	N _{AA}			
	 0,55 and 1,0 times the battery voltage, if the appliance can be used with non-rechargeable batteries 	nbotek Anbotek Anbo	ek N			
Anbotek Anbotek	 - 0,75 and 1,0 times battery voltage, if the appliance is designed for use with rechargeable batteries only 	Anbotek Anbotek A	Aupor N. K			
Anbotek Anbot	The values specified in Table S.101 for the internal resistance per cell of the battery is taken into account	abotek Aupotek Aupotek	N Ant			
19.1	The tests are carried out with the battery fully charged unless otherwise specified	Anbotek Anbote Anb	PoteM			
19.13	The battery does not rupture or ignite	William William	npoN			



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Report No. 18250SC20035101

Clause	Requirement + Test	Result - Remark	Verdict
And	ak bosek Anbo. Anbo.	upote. Aug Po.	lek M
19.S.101	Appliances are supplied with the voltage specified in 11.5. The supply terminals having an indication of polarity are connected to the opposite polarity, unless	Anbotek Anbotek An	pote ^N Anbote ^k
Anbotek	such a connection is unlikely to occur due to the construction of the appliance	ek Anbotek Anbotek	AN
19.S.102	For appliances with provision for multiple batteries, one or more of the batteries are reversed and the appliance is operated, if reversal of batteries is allowed by the construction	Anbotek Anbotek Anbot Anbotek Anbotek Anbot	orek Ar
25.5	The flexible leads or flexible cord used to connect an external battery or battery box in is connected to the appliance by a type X attachment	Anborek Anborek	Anbotek
25.13	This requirement is not applicable to the flexible leads or flexible cord connecting external batteries or a battery box with an appliance	potek Anbotek Anbotek	Nobo.
25.S.101	Appliances have suitable means for connection of the battery. If the type of battery is marked on the appliance, the means of connection is suitable for this type of battery	Anbotek Anbotek Anbotek	oter N Inbotek
26.5	Terminal devices in an appliance for the connection of the flexible leads or flexible cord connecting an external battery or battery box are so located or shielded that there is no risk of accidental connection between supply terminals	anbotek Anbotek Anbotek	N _{nb} ote Anb
30.2.3.2	There is no battery in the area of the vertical cylinder used for the consequential needle flame test, unless	Anbotek Anbotek A	nbotek
Anbotek	the battery is shielded by a barrier that meets the needle flame test of Annex E, or	Anbotek Anbotek	Noore
ak Anbo	that comprises material classified as V-0 or V-1 according to IEC 60695-11-10	obotek Anbotek Anbotek	N And
Т	ANNEX T (NORMATIVE) UV-C RADIATION EFFECT ON NON-METALLIC M	IATERIALS	
Anbotek Anbotek	Requirements for non-metallic materials subject to direct or reflected UV-C radiation exposure and whose mechanical and electrical properties are relied upon for compliance with the	Anbotek Anbotek Anbotek Anbotek	Anbotek
k Anbot	Does not apply to glass, ceramic and similar materials	abotek Anbotek Anbot	^{Sk} N
ose, bu	Tested as specified in ISO 4892-1 and ISO 4892-2,	with the following modifications:	botekN
nbotek	Modifications to ISO 4892-1:	Anbotek Anbot Al	Nod.
5.1.6	The UV-C emitter is a low pressure mercury lamp with a quartz envelope having a continuous spectral irradiance of 10 W/m2 at 254 nm	Tek Anbotek Anbotek	Notek Antorek



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A. hotek	IEC 60335-1	nok hotek Anboten	And
Clause	Requirement + Test	Result - Remark	Verdict
Aug	Trek obotek Anbo. A. Sotek	upote, Aug Tek upo,	ek.
otek Ar	Subclause 5.1.6.1 and Table 1 are not applicable	upotek Aupo, W.	N ₉₇₀
5.2.4	The black-panel temperature shall be 63 °C +/- 3 °C	Anborek Anborek An	Anborek
5.3.1	Humidification of the chamber air is specified in part 2 when necessary	ek abotek Anbotek	No.
9 ,,,,,	This clause is not applicable	ok hotek Anbote	Name
Y View	Modifications to ISO 4892-2:	hoose Anbor	N P
7.1	At least three test specimens are tested	Anbore K Amb botek An	otek N
ipote.	Ten samples of internal wiring is tested	Anbores And And	anbo'N'
7.2	The specimens are attached to the specimen holders such that they are not subject to any stress	Anbotek Anbotek	Andrek
7.3	Apparatus prepared as specified	k Anbotek Anbotek	Nup
ek Aut	The test specimens and, if used, the irradiance- measuring instrument are exposed for 1 000 h	poter Anbotek Anbote	K N N
7.4	If used, a radiometer is mounted and calibrated such that it measures the irradiance at the exposed surface of the test specimen	Anbotek Anbotek Ant	N Inbotek
7.5	Material properties and test methods for parts providing mechanical support or impact resistance as specified in Table T.1	ek Anbotek Anbotek	Anbo
sk Aup	Material properties and test method for electrical insulation of internal wiring as specified in Table T.2	Anbotek Anbotek Anbore	N A
8 tok	This clause is not applicable	botek Anbo. An	_A eN



V Nuloc	tek Anbotek	Anbore	IEC 60335-1	Anbotek Anbo	Anbotek Anb
Clause	Requirement + Test	Anbo	abotek	Result - Remark	Verdict

P rated (W)	P measured (W)	ΔΡ		
	1 11100000100 (11)	ΔΡ	Required Δ P	Remark
1000	842	-15.8%	+15%	P ^{Anv}
1000	841	-15.9%	+15%	Potek B Wup
	iek apore	1000 841	1000 841 -15.9%	1000 841 -15.9% +15%

10.2	TABLE: Curre	nt deviation	or Al. botek	Anbore	Anto	upoN.k
Current	deviation of/at:	I rated (A)	I measured (A)	ΔΙ	Required Δ I	Remark
Vur	otek Anbotek	Anbo.	h botek Ar	looke. A	otek or	potek Anbu
Suppleme	entary information:	K Aupore	k hotek	Anboren	Augo	anbotek Ar

11.8	TABLE: Heating test	Anbotek Anbo tek	NOOP*
Aupotek	Test voltage (V)::	254.4	_
Motek	Ambient t1(°C):	24.1 Anbo	_
- Noot	Ambient t2(°C):	24.3	_

Thermocouple locations:	Max. temperature rise measured, Δ T (K)	Max. temperature rise limit, Δ T (K)		
Supply cord	Antorek 8.3 Antorek	Anbound 50 botek		
Swivel connection of input	And and a seek	Ref.		
Switch	9.2	Anbo 60		
Enclosure	6.3	50		
Internal wire	26.7	80		
PCB hotek Anbores Ann	33.4	105		
Fan Andrew Andrew	36.8	85 Achoore		
Test corner	Anbore 4.6	Amborek 65 Amborek		

Supplementary information:

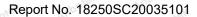
11.8 Model	TABLE: Heating test, resistance method				N
ek Anbo	Test voltage (V):	hotek	Aupotek	Aupo	_
work A	Ambient, t1 (°C):	Ans	Anborek	Anbe	_
otek	Ambient, t2 (°C):	And	k anbore	K Di	_

Temperature ri	se of winding	g:	R1 (Ω)	R2 (Ω)	Δ T (K)	Max. Δ T (K)	Insulation class
Anboren	Anbo	- ant	otek Ar	Pos VI	hotek I	upoter Aup	atek anb
100	- 700	100			VU.		700

Supplementary information:

Shenzhen Anbotek Compliance Laboratory Limited







bus p	otek Anbotek	Aupo	IEC 60335-1	Anbore And Botek	Anbotel Anb
Clause	Requirement + Test	Anbo	abotek	Result - Remark	Verdict

w0'	7.	K KO' P	750
13.2	TABLE: Leakage current		Anborek Anbo
Anbe	Heating appliances: 1.15 x rated input (W):	Her And	Anbotek
anbo Anbo	Motor-operated and combined appliances: 1.06 x rated voltage (V)	254.4V	Anbotek —
Leakage ci	urrent between:	I (mA)	Max. allowed I (mA)
Live parts a	and plastic enclosure	0.01	0.35 peak
Aupo.	nbotek Anboten Antotek Anbotel	Augo, Mek	anbotek Anbote
Supplemen	tary information:	Pupo, "Sk	potek Anbore

13.3	TABLE: Dielectric strength	po. tek vupotek Aupo	ok horek P Ar
Test voltag	ge applied between:	Test potential applied (V)	Breakdown / flashover (Yes/No)
L,N and pla	stic enclosure	3000	botek No Anbote
Aupor	hotek Anbotei Anb	ek nobotek Anbot	botek Anbotes
Supplemen	tary information:	rek nbotek Anbote	ok hotek Anbot

14	TABLE: Trans	ient o	vervoltages	Anbore	Pur Potek	Anbore	ne N
Clearance	between:		CI (mm)	Required CI (mm)	Rated impulse voltage (V)	Impulse test voltage (V)	Flashover (Yes/No)
- abotek	Anbore	Dur	otek ar	potek Aut	wek and	olek Pupole	k hote
Supplemen	tary information:						

16.2	TABLE: Leakage current	Anbore Am	otek Anbotek P
hotek	Single phase appliances: 1.06 x rated voltage (V):	254.4V	Inposek P —
Aupotek	Three phase appliances 1.06 x rated voltage divided by √3 (V)	otek Anbotek-	Aupotes. —
Leakage c	urrent between:	I (mA)	Max. allowed I (mA)
Live parts a	and plastic enclosure	0.01	0.25
potek I	Anbotek Anbotek Anbotek	Anberra Anberra	yes Aupo
Supplemer	ntary information:	Au Stek	nbotek Anbo



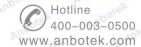


Pupo.	orek Anborek IEC 60	335-1	otek Anbotek An	O
Clause Requirement + Test Result - Remark 16.3 TABLE: Dielectric strength Test voltage applied between: Test potential applied (V) L,N and plastic enclosure 3000	Verdict	P		
pore.	art borek Anbot At	rek anbois	up potek	
16.3	TABLE: Dielectric strength		Anbore All Pek	
Test volta	ge applied between:	Test potential applied (V)	Breakdown / flashove (Yes/No)	r
L,N and pla	astic enclosure	3000	No	pC
ik Anb	ote Annotek Anbotek Anbo.	abotek Anbo	k kotek	D'
Supplemen	atory information:	bu. bu	hote And	

17 NOTE !	TABLE: Overload p	rotection	otek Anbot	ok Aupo	-otek An	potek Anb.	N	
Thermocouple locations:				Max. temperature rise measured, Δ T (K)		Max. temperature rise limit, Δ T (K)		
ek An	poter And	anbotek	Myoo,	Ar. Potek	Aupoten	Ann	,	
Supplem	entary information:	abotek	Anbore	Alle	Anborek	Yupo -sek	4	

17	TABLE: Overload pro	otection, resis	stance metho	d And		Aupo, N
Anbo	Test voltage (V)		:	Anbo	rek anbotel	-
Aupo.	Ambient, t1 (°C)		:	otek Aupo	rek nb	otek _
Anbo	Ambient, t2 (°C)		:	inbotek Ar	'po. rek	abote —
Temperatu	ure of winding:	R1 (Ω)	R2 (Ω)	Δ T (K)	T (°C)	Max. T (°C)
botek	Aupo, by	Aupole	Ann	Anbotek	Aupo.	h. botek
Supplemen	ntary information:	k Anboten	Anbo	k aborek	Anbore	Pu. Polek

19 19 1901el	Abnormal oper	ation conditio	ns _{anb} otek			Anbore	P	
Operationa	l characteristics		YES/NO	Operational conditions				
	electronic circuits	s to control	NO Anbotek	Anbotek Ambotek Anbotek				
Are there "	off" or "stand-by	" position?	NO MARIO	rok k	abotek A	upole. A	notek	
	nded operation or results in danger n?		NO Antorek	Yupotek	Anbotek	Aupotek Aupotek	Anbote	
Sub- clause	Operating conditions description	Test results description	PEC description	EMP 19.11.4	Software type required	19.11.3 PEC	Final result	
19.2	Vupotek Vup.	ob No.	otek Anbore	N.A	otek or	potek Ar	N	
19.3	upotek A	1000 Bur	botek Anb	oter Ar	or sek	nbotek	Noon	
19.4	abotek	Anbore A	hotek I	nbotek	Aupo	abotek	Nanbore	
19.5	ok hosek	Anbore	Ann	Anbotek	Aupo,	botek	N Anbe	





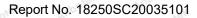
K No	stek Anboten	Anna	IEC 60335-	Aupo	k hotek	Anboten	PU,
Clause	Requirement + T	est	ik abotek	Resu	ılt - Remark	rek Anbo	Verdict
ote. A	un of one	prek Anbo.	Pri	ek anb	ote. Vur	- No.	potek
19.6	Aupore Au	sotek anb	Olek Yupo	N.A	botek A	por M	Notek
19.7	Anboter	up otek	inbotek An	00, b	botek	Anbore	P
19.8	Anbotek	Anbo	anbotek	pupor	Pu.	Anborek	NAME
19.9	rek Anboiek	Aupo	aborek	Anbore	Answork	Anbotek	N Amb
19.10	otek nabotek	Aupo,	4 botek	Anbore	Pur.	rek nobot	N
19.11.2	tek nbo	ek Vupos	ok hote	Anbo	Aug-	riek on	N
19.11.4.8	Aupo sek	bořek Anbr	And And	otek A	upotek An	sek h	Notek
19.10X	Anbo, Ak	borek A	upole. Yu	otek.	nbotek	Aupo	N botel
Supplemen	tary information:	Arm	Anboter	YUD	aborek	Anbore	Die

19.7	TABLE: Abnormal	operation, loc	ked rotor/movi	ng parts	Aupor	Р	
- ok	Test voltage (V)	•••••		Anboy	240	An'	_
upor	Ambient, t1 (°C)	Ambient, t1 (°C)::					_
Anbore	Ambient, t2 (°C)	24.7			_		
Tempera	ture of winding:	R1 (Ω)	R2 (Ω)	Δ T (K)	T (°C)	Max	. T (°C)
Winding o	of fan	18.3	21.6	46.6	71.3	worek	175
isek b	nbores And Orek	nborek	Aupo,	boiek	Anbore. P	71/10	rek
Suppleme	entary information:	k spotek	Anbore	An-	anboien	AUD	rek.

19.9	TABLE: Abnormal o	peration, runn	ing overload			ANN	
Aupo	Test voltage (V)		:	Her Anbo	ter Anno otek unpotek		
Aupo.	Ambient, t1 (°C)	abotek Ant	lpote —				
Se Aup	Ambient, t2 (°C)	Anbotek	Yupo, Ir	nb —			
Temperatu	re of winding:	R1 (Ω)	R2 (Ω)	Δ T (K)	T (°C)	Max. T (°C)	
anbotek	Anbo sek abote	k Aupore	K Pur	k Anborek	Anbo	abotek	
Supplemen	tary information:	otek Anbot	Ando	rek abore	Ambore	K Pri	

19.13	TABLE: Abnormal oper	TABLE: Abnormal operation, temperature rises					
Thermocouple locations:		Max. tempe measured		Max. temperature rise limit, Δ T (K)			
Suppleme	entary information:	Anboten	And	anbotek	Aupo,	Ar. Potek	





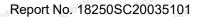


VK NU	otek Anbotek	Aupo.	IEC 60335-1	Anbols An bolek	Anbotek Anb
Clause	Requirement + Test	Anbo	abotek	Result - Remark	Verdict

21.1	TABLE: Impa	ct resistance	PUL.	or All	botek	Anboten A	Pek
Impacts	per surface	Surface teste	d	Impact energ	y (Nm)	Commen	ts
VII.	3 Anboter	Enclosure	abotek	0,5	br. Potek	Anboten P	Aup
Aug	tek Aupolek	Anboy	Sporek	Anbores	Vurn	k anbotek	Ant
Supplemen	ntary information:	ek Aupor	hote.	k Aupole	Ans	stek subot	ek l

24.1 TAE	BLE: Critical compo	nents informat	ion work Ant	o, VI.	- aboPer
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
EU Plug	DONGGUAN YUXIN WIRE & CABLE CO., LTD.	YX-207	AC 250V; 2,5A	EN 50075	VDE 40001471
Power Cord	Zhongshan Yuanben Electrical Wire & Plug Co.,Ltd	H03VVH2-F	2 x 0,75 mm ²	EN 50525-2-11	VDE 40023082
X capacitor	Shenzhen Yixingjie Capacitors Co., Ltd	MKP	AC 310V; 0,22µF; X2;	EN 60384-14	VDE 40041856
Internal wire	FOSHAN CITY SHUNDE ZHENGLANG METALWARE ELECTRIC APPARATUS CO LTD	1015	300VAC; 80° C; 18AWG	EN 60335-1	UL Test with appliance
Power Supplies, Electrostatic Air- cleaning Equipment - Component	DONGGUAN NANBAI ELECTRONIC TECHNOLOGY CO LTD	NB-LM	I/P:100-250V AC,50/60Hz, 1W O/P:-3.0KV,DC± 1.0KV DC	EN 60335-1	UL Test with appliance
Push-pull switch	ZHUHAI TOPLY ELECTRONICS SCIENCE & TECHNOLOGY CO., LTD.	TS-14	A 250VAC T85	GB/T 15092.1- 2020;GB/T 15092.101-2020	CQC0900303 9950
PCB Amborek	GLOBAL PRECISION CIRCUITS CO LTD	T-1 Amb	V-0 Anbotek	EN 60335-1	UL Test with appliance







Clause	Requirement + Test		abotek AF	Result - Remark	Verdict
ofer A	notek hotek	Aupor	arek.	vuposer Vup	botek
Enclosure	GUANGDONG WAYLAM ENGINEERING PLASTICS CO LTD	PP-FR202T	Anbotek Anbotek	EN 60335-1	Test with appliance

28.1	TABLE: Thread	led part torque test		aborek Anbor	
Threaded part identification:		Diameter of thread (mm)	Column number (I, II, or III)	Applied torque (Nm)	
Screw for e	enclosure	2.4	And II sk	0.4	
*ek	botek Anbote	And Lotek An	potek Pupo, by	abotek Anbotes	
Supplemer	ntary information:	ter. Aug.	abotek Anbo.	Anbotes.	

29.1	TABLE: Clearances					Lotek Ant
Anboter	Overvoltage categor	ry		: Mr ^M	above A	in otek -
			Type of i	nsulation:		
Rated impulse voltage (V		Basic (mm)	Supplementar y (mm)	Reinforced (mm)	Functional (mm)	Verdict / Remark
330	0,2* / 0,5 / 0,8**	ek o	abotek Anbo	*ek ~ 2003	lek Aupo,	Y Ans
500	0,2* / 0,5 / 0,8**	rek	vupotek Vup.	Dr. Dr.	notek An	Dojes Aug
800	0,2* / 0,5 / 0,8**	, ek	abotek A	Upolo VI	Potek	Anbotek Ar
1 500	0,5 / 0,8** / 1,0***	Vupo.	, botek	Anbore.	Vun Olek	Anborek
2 500	1,5 / 2,0***	>2,0	>2,0	Aupoto.	>2,0	nb Pak
4 000	3,0 / 3,5***	-Nupo	An Potek	>3.5	Anbo	k Potek
6 000	5,5 / 6,0***	sk Pi	pore And	tek anbot	Sir Aupon	rek pool
8 000	8,0 / 8,5***	otek	Aupoter Aup	stek on	otek Aul	Or Dir
10 000	11,0 / 11,5***	horek	Anborek Ar	lo sek	nbotek	rupose Vu
10 000	11,0 / 11,5***	Anbotek	Aupore A	aborek	unbotek	hupo, w.

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



OK PULL	otek Anbotek	Anbo	IEC 60335-1	Aupor	An- potek	Aupoter	Aup
Clause	Requirement + Test	Aupo	abotek	Result -	Remark	Anbo	Verdict

Working (V	voltage	Creep	age dis	Cre	basic, su epage di (mm) ollution de	stance	entary a	ind reinfo	rced i	nsulat	ion	P
		1		2			3			Type o		
			Ма	terial g	roup	Ма	terial g	roup				
			ı	II	IIIa/IIIb	ı	II	IIIa/IIIb*	B**	S**	R**	Verdict
≤5	O Anboro	0,18	0,6	0,85	1,2	1,5	1,7	1,9	-	_		wo tek
≤5	0 Anbo	0,18	0,6	0,85	1,2	1,5	1,7	1,9	_	Aupo		PUD.
≤5	0 _{/c} Þ:	0,36	1,2	1,7	2,4	3,0	3,4	3,8	_		0010	V VIII
12	5 otek	0,28	0,75	1,05	1,5	1,9	2,1	2,4	aborel	_	_	P.
12	5 hotek	0,28	0,75	1,05	1,5	1,9	2,1	2,4	_	rek.	_	Diek
12	5 hotek	0,56	1,5	2,1	3,0	3,8	4,2	4,8	_			hpotek
25	0 200	0,56	1,25	1,8	2,5	3,2	3,6	4,0	Х	_	_	An Prek
Arrbon 25	0	0,56	1,25	1,8	2,5	3,2	3,6	4,0	_	Х	_	Phoo
25	0	1,12	2,5	3,6	5,0	6,4	7,2	8,0	_	_	X	PAR
40	0	1,0	2,0	2,8	4,0	5,0	5,6	6,3	Tupos	_	_	rek
bote ^{lk} 40	Onbotek	1,0	2,0	2,8	4,0	5,0	5,6	6,3	_	V	_	-otek
Jorek 40	O Anboren	2,0	4,0	5,6	8,0	10,0	11,2	12,6	_	_	P	ho nek
50	O Anbot	1,3	2,5	3,6	5,0	6,3	7,1	8,0	ţ-			Aupr
50	0 _{An}	1,3	2,5	3,6	5,0	6,3	7,1	8,0	_	Ant		Anbo
50	0,ek	2,6	5,0	7,2	10,0	12,6	14,2	16,0	_	_	'upose.	An
>630 an	d ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0	, ho	_	_	e ^t
>630 an	d ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0	_	orek	_	poter
>630 an	d ≤800	3,6	6,4	9,0	12,6	16,0	18,0	20,0	_	_	-	Anborek
>800 and	d ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5	V-	_	_	Anbote
>800 and	d ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5	_	511.	_	Anb
>800 and	d ≤1000	4,8	8,0	11,2	16,0	20,0	22,0	25,0	_	_	m0	18K
>1000 an	d ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	Anbor	_		otek
>1000 an	d ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	_	oto.	_	-otek
>1000 an	d ≤1250	6,4	10,0	14,2	20,0	25,0	28,0	32,0	_	_		Ambo
>1250 an	d ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	ek-	_		Aup
>1250 an	d ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	_	62	_	Anb



ok hotek	Anbore	P.L	rek	IEC 6	0335-1	Aupo	n/-	botek	-	Mpose	Yu.
Clause Requ	irement +	Test	Vupo.	3/k ber	nbotek	Res	sult - Rem	ark	e/k	Anbo	Verdict
>1250 and ≤160	0 8,4	12,6	18,0	25,0	32,0	36,0	40,0	<u></u>		P.C.	Poter
>1600 and ≤200	Ne ^y	8,0	11,0	16,0	20,0	22,0	25,0			_	Vupor
>1600 and ≤200	Nex-	8,0	11,0	16,0	20,0	22,0	25,0	_	Anb		Auporc
>1600 and ≤200	- V9:s:	16,0	22,0	32,0	40,0	44,0	50,0			100ter	Anb
>2000 and ≤250	7	10,0	14,0	20,0	25,0	28,0	32,0			_	ix.
>2000 and ≤250	7,5	10,0	14,0	20,0	25,0	28,0	32,0		otek.	_	otek
>2000 and ≤250	15,0	20,0	28,0	40,0	50,0	56,0	64,0		_		Motek
>2500 and ≤320	0 10,0	12,5	18,0	25,0	32,0	36,0	40,0			_	nbore
>2500 and ≤320	0 10,0	12,5	18,0	25,0	32,0	36,0	40,0		Pur	_	k.
>2500 and ≤320	0 20,0	25,0	36,0	50,0	64,0	72,0	80,0			10	K 12.
>3200 and ≤400	12,5	16,0	22,0	32,0	40,0	45,0	50,0	Aupole	_		*ek
>3200 and ≤400	0 12,5	16,0	22,0	32,0	40,0	45,0	50,0		7. E.	_	, ek
>3200 and ≤400	0 25,0	32,0	44,0	64,0	80,0	90,0	100,0			- 1	upo,
>4000 and ≤500	16,0	20,0	28,0	40,0	50,0	56,0	63,0	jk.	_	_	Vupore
>4000 and ≤500	0 16,0	20,0	28,0	40,0	50,0	56,0	63,0	_	A.C.	_	Aupo
>4000 and ≤500	32,0	40,0	56,0	80,0	100,0	112,0	126,0		_	/upote	. bz
>5000 and ≤630	0 20,0	25,0	36,0	50,0	63,0	71,0	80,0	7111-		_	ROK
>5000 and ≤630	0 20,0	25,0	36,0	50,0	63,0	71,0	80,0		-tek	_	bosek
>5000 and ≤630	0 40,0	50,0	72,0 ⋈	100,0	126,0	142,0	160,0			K	aborek
>6300 and ≤800	0 25,0	32,0	45,0	63,0	80,0	90,0	100,0		_	_	A. aboi
>6300 and ≤800	25,0	32,0	45,0	63,0	80,0	90,0	100,0	_	Vu,	_	Di.
>6300 and ≤800	50,0	64,0	90,0	126,0	160,0	180,0	200,0			AUD.	ek Ai
>8000 and ≤1000	0 32,0	40,0	56,0	80,0	100,0	110,0	125,0	Anbo		_	rek
>8000 and ≤1000	0 32,0	40,0	56,0	80,0	100,0	110,0	125,0	_	ooter	_	port .ok
>8000 and ≤1000	0 64,0	80,0	112,0	160,0	200,0	220,0	250,0	_	_		Aupor
>10000 and ≤125	0,0	50,0	71,0	100,0	125,0	140,0	160,0	tek.	_	_	Aupor
>10000 and ≤125	0,0	50,0	71,0	100,0	125,0	140,0	160,0			_	Ant
>10000 and ≤125	0,08 00	100,0	142,0	200,0	250,0	280,0	320,0	_	_	anboi	8K

Supplementary information:

Shenzhen Anbotek Compliance Laboratory Limited

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

^{**)} B = Basic insulation, S = Supplementary insulation, R = Reinforced insulation



VK Num	otek Anbotek	Anbo	IEC 60335-1	Anbole An Boick	Anbotek Anb
Clause	Requirement + Test	Anbo	hotek	Result - Remark	Verdict

Working voltage (V):				eepage di (mm) ollution d				
	1		2			3		
		Ма	terial g	roup	Ма	terial g	roup	
		I	II	IIIa/IIIb	I	II	IIIa/IIIb*	Verdict / Remark
¹⁰⁰ ≤10	0,08	0,4	0,4	0,4	1,0	1,0	1,0	Ar abotek Anboter
50	0,16	0,56	0,8	1,1	1,4	1,6	1,8	ok hotek Anboti
125	0,25	0,71	1,0	1,4	1,8	2,0	2,2	And Lotek and
250	0,42	1,0	1,4	2,0	2,5	2,8	4 3,2 pm	poter And Potek
400	0,75	1,6	2,2	3,2	4,0	4,5	5,0	Anboten Anbo
500	1,0	2,0	2,8	4,0	5,0	5,6	6,3	Anborek Anbo
>630 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0	Anbotek Anbo
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5	k Anbotek Anbot
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	stek unbotek Anb
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	sek obosek
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0	Aupo, we upotek
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0	Pupo, tek upotek
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0	Aupor ek apotel
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0	k Auport Au
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0	otek Anbore An
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0	upotek Aupore A
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0	Anborek Anbore
>8000 and ≤10000	32,0	40,0	56,0	80,0	100,0	110,0	125,0	Anborek Anbore
>10000 and ≤12500	40,0	50,0	71,0	100,0	125,0	140,0	160,0	hotek Anbore

Supplementary information:

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

30.1 TABLE: Ball P	ressure Test of Therm	noplastics	Anboren Ani	P
Allowed impression diam	eter (mm):	Anbore And hotek	Anborell	_
Object/ Part No./ Material	Manufacturer/ trademark	Test temperature (°C)	Impression diame	ter (mm)
Switch	- upotek Aupo.	125 M	1.0	anbo
Plastic enclosure	k - anbotek Ant	75 A A A A A A A A A A A A A A A A A A A	0.9	ek

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IEC 60335-1 Clause Requirement + Test Result - Remark Verdict PCB 125 0.7 Supplementary information:

30.2	Vus IV	DLE. Resi	Statice it	ileat and	i ille - Gio	w wire tests	Yes Alle	P	
Object/	Manufacturer								
Part No./ Material	/	550	650		750		050	Verdict	
	trademark	550	te	ti	te	ti	850		
Switch	VUP.	nborek	bapo,	-/r z.	, ote0	Anb O	Ann	Papor	
Plastic enclosure	Anbotek Anbotek	Xotek	-Anb	abotek	Aupolek	Antorek Motor	ek Anbo	otek P An	
Object/ Part No./	Manufacturer Glow-wire flammability (GWFI), °C				GW ignition temp. (GWIT), °C			Verdict	
Material	trademark	550	650	750	850	675	775		
Lotek .	Aupoten Aug	*&K	botek	Aup	7 P	-otek	Aupoten	AUD	
Aug	anbotek	'upo, rek	br.,	AGK D	opoter	Vup Potek	Anborel	Aupon	
he test spec	imen passed the	glow wire	test (GV	/T) with no	ignition [(te – ti) ≤ 2s]	(Yes/No):	Yes	
f no, then sur	rounding parts p	assed the	needle-fl	ame test	of annex E	(Yes/No)	:	_{lootel} No	
	imen passed the wire (Yes/No)?							Anbo No	
anition of the	specified layer p	placed und	lerneath t	he test sp	ecimen (Ye	es/No)	hotek.	No	

Supplementary information:

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

30.2/30.2.4 TABLI	: Needle- flame test (f	NFT)	Anbotek Ar	po. br.	o ^{te} N
Object/ Part No./ Material	Manufacturer/ trademark	Duration of application of test flame (ta); (s)	Ignition of specified layer Yes/No	Duration of burning (tb) (s)	Verdic t
Anborek Ar	lo sek abotek	Anboro Am	otek Anboten	Vupo.	200

Supplementary information:

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

Shenzhen Anbotek Compliance Laboratory Limited





Clause

Attachment 1: EU difference

	IEC 6033	5_1X ATTAC	CHMENT		
Requirement + Test	hotek	Anbore	Result - Remark	AUPO	Verdict

Report No. 18250SC2003510

ATTACHMENT TO TEST REPORT

IEC 60335-1

EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

Household and similar electrical appliances – Safety – Part 1: GENERAL REQUIREMENTS

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

EN 62233:2008

Attachment Form No.....: EU_GD_IEC60335_1X

Attachment Originator...... Nemko AS

Master Attachment...... 2019-09-24

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Arra	CENELEC COMMON MODIFICATIONS (EN)	Arra botek A	100
6.1	Delete "class 0" and "class 01"	Anbore Ar. botek	AnbN
7.1 Anborek	Single-phase appliances to be connected to the supply mains: 230 V covered	k Anborek Anborek	Al Botel
otek Anbo	Multi-phase appliances to be connected to the supply mains: 400 V covered	upotek Aupotek Aupotek	ek N ^{Anc}
7.12	The instructions include the substance of the following	ing: Anbore Anbore	hotek-
Anbotek Anbotek Anbotek Anbot	- this appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved	Anbotek Anbotek	Anbotek Anbotek Anbot
upotek An	- children shall not play with the appliance	unbotek Anbo. A.	otek P
Anbotek	- cleaning and user maintenance shall not be made by children without supervision	Anbotek Anbotek	anbor Pr
8.1.1	Also test probe 18 of EN 61032 is applied	Anbo sek abotek	AriPort
lek Aupot	The appliance being in every possible position during the test, except that	ek Aupotek Aupotek	Roboti
botek Ant	appliances normally used on the floor and having a mass exceeding 40 kg are not tilted	Anbotek Anbotek Anbot	otek N
Vuposek Vuposek	The force on the probe in the straight position is increased to 10 N when probe 18 is used	Anbotek Anbotek	nbotP *ek
V U.D.	-/- 100, Day	- W	No.





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	IEC 60335_1X ATTACHME	INT And	
Clause	Requirement + Test	Result - Remark	Verdict
ootek Anbr	When using test probe 18 the appliance is fully assembled as in normal use without any parts removed, and	Anbotek Anbotek Anb	otek P
Anbotek	parts intended to be removed for user maintenance are also not removed	Anbotek Anbotek	Prek Anborek
8.1.3 Anborek Anborek Anborek	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	botek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Nibotek obotek
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	k Anbotek Anbotek	Anbore Anbore
otek Anbote	Test probe B and probe 18 of EN 61032 are applied to built-in appliances and fixed appliances only after installation	otek Anbotek Anbotek	N And
15.1.2 An	Appliances with an automatic cord reel tested with the cord in the most unfavourable position so that the reeling of the wet cord may affect electrical insulation during operation, the cord not being dried before reeling	Anbotek Anbotek Ar Anbotek Anbotek Ar Anbotek Anbotek	hote N Anbotek
20.2	For appliances having dangerous moving parts, due to their working function, e.g. the needle of a sewing machine, tools of kitchen machines or the blade of an electrical knife, full protection is not possible for performing their intended use	otek Anbotek Ambotek Anbotek Anbotek Anbotek	P _{Anb} o
Anbotek Anbotek	When using a test probe similar to test probe B of EN 61032, having a circular stop face and applied with a force of 5N, the accessories and detachable covers are removed	Anbotek Anbotek Anbotek Anbotek	Anborek Anborek
rek Anbote	When using test probe 18 it is applied with a force of 2,5N on the appliance fully assembled	botek Anbotek Anbotek	B'upo
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	Anbotek Anbotek Anto	otek N Linbotek
22.17	The requirement is not applicable to built-in appliances	ek Vupolek Vupolek	N N Anbot
24.1	Components comply with the safety requirements specified in the relevant EN standards as far as they reasonably apply	Anbotek Anbotek Anbote	otek P Vu
Anbotek A	Motors are not required to comply with EN 60034- 1, but tested as part of the appliance according to this standard	Anbotek Anbotek	nbotek Anbotek





Vupo	EU difference IEC 60335_1X ATTACHME	NT Anbor An	- 40
Clause	Requirement + Test	Result - Remark	Verdic
otek Anbi	Relays are tested as part of the appliance according to this standard	Anbotek Anbotek Anbo	over N
Anbotek A	Relays may be alternatively tested to EN 60730-1 and the additional requirements in EN 60335-1	Anbotek Anbotek	inbot N
Anbotek Anbotek	The requirements of Clause 29 of this standard apply between live parts of components and accessible parts of the appliance	ek Anbotek Anbotek	P Anb
	Components may comply with the requirements for clearances and creepage distances for functional insulation as specified in the relevant component standard	Anbotek Anbotek Anbo	nbotek
Anbotek Anbotek	The requirements of 30.2 of this standard apply to parts of non-metallic material in components including parts of non-metallic material supporting current-carrying connections inside components	Anbotek Anbotek Anbotek	Anb N
tek Anbot	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	Anbotek Anbotek Anbo Anbotek Anbotek Anbo	lootek
Anbotek Anbotek	Components that have been tested and shown to converge requirements in the EN standard for the relevant converged that:		Anb N
ek Aupor	- the severity specified in the component standard is not less than the severity specified in 30.2, and	ore Annotek Anbotek	o}Ł N _P /
	- the test report for the component states the values of $t_{\rm e}$ and $t_{\rm i}$ acc. to EN 60695-2-11	Anbotek Anbotek Anbo	potekN
Anbotek	If the above two conditions are not satisfied, the component is tested as part of the appliance	Anbotek Anbo	Anbo N ^k
Anbotek Anbotek	Power electronic converter circuits are not required to comply with EN 62477-1, but tested as part of the appliance according to this standard	tek Anbotek Anbotek	Pt. No.
otek Anb	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	Anbotek Anbotek Anbo	otek N
Anbotek Anbotek	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	ek Anbotek Anbotek	N _A
Anbore	Components that have not been tested and found to comply with the relevant EN standard,	botek Anbore Anbote	N
stek Anbr	and components that are not marked or not used in	Anbors Anb	N N





Anb	IEC 60335_1X ATTACHME	INT And botck botck	Aupo
Clause	Requirement + Test	Result - Remark	Verdict
Potek Vup	are tested in accordance with the conditions occurring in the appliance, the number of samples being that required by the relevant standard	Anbotek Anbotek Anb	otek N
Anbotek Anbotek Anbotek Anbo	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	ak Anbotek Anbotek Dotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbote	AnWe Anbot An
Anbotek Anbotek	Where the relevant EN standard specifies these gauging and interchangeability requirements at elevated temperatures, the temperatures measured during the tests of Clause 11 are used	Anbotek Anbotek A	Anbotek Anbotek
otek Anbotek Anbotek	There are no additional tests specified for nationally standardized plugs such as those detailed in IEC/TR 60083 or connectors complying with the standard sheets of EN 60320-1 and EN 60309, unless they are specifically mentioned in the text of this standard	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N Antitek Jootek
Anbotek Anbotek	Plugs and socket-outlets and other connecting devices of interconnection cords are not interchangeable with plugs and socket-outlets listed in IEC/TR 60083 or IEC 60906-1, or	otek Anbotek Anbotek	Note Anb
nbotek Ant	with connectors and appliance inlets complying with the standard sheets of EN 60320-1, if	Anbotek Anbotek Anbo	N A
Anbotek	direct supply to these parts from the supply mains gives rise to a hazard	Ambotek Ambotek	AnboN ^k
Anbotek	For plugs used in CENELEC countries Annex ZH applies	tek Anbotek Anbotek	ArPor
24.1.7	When the remote operation of the appliance is via a telecommunication network, the relevant standard for the telecommunication interface circuitry in the appliance is EN 41003	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N N
Anbotek Anbotek	Compliance with Clause 8 of this standard is not impaired by connecting the appliance to a device covered by EN 41003	Anbotek Anbotek	Anbotek Anbotek
24.Z1	Type S2 and S3 capacitors according to EN 60252-1 are not required to undergo the testing as required by 30.2.2 and 30.2.3.1	potek Anbotek Anbotek	Nupo
25.1	Plugs and pins for insertion into socket outlets follow the relevant standards sheets in Annex ZH	Anbotek Anbotek Anb	otek P
25.7	Rubber sheathed cords (60245 IEC 53) are not suitable for appliances intended to be used outdoors, or	Anbotek Anbotek A	nbot N nbotek

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	IEC 60335_1X ATTACHME	Nek Anho	Pare
Clause	Requirement + Test	Result - Remark	Verdict
otek Anbo	when they are liable to be exposed to significant amount of ultraviolet radiation	Anbotek Anbore An	over N
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 Common plugs and socket-outlets types in	Anbotek Anbotek	Anborek
Anboten	CENELEC countries as shown in Annex ZH	botek Anboten Anbo	Р
26.11	Conductors connected by soldering are not considered to be positioned or fixed so that reliance is not placed upon the soldering alone to maintain them in position,	Anbotek Anbotek Anbotek Anbotek	otek N
Anbo, anborek	unless they are held in place near the terminals independently of the solder	ak Vupotek Vupotek	AnloN
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	Anbotek Anbotek Anbotek	N An
32 Andrew	Compliance regarding electromagnetic fields is checked according to EN 62233	Anbotek Anbotek	nbote ^R 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	ek Anbotek Anbotek	And N Anborr
rek Anbore	The duration of any of the tests is as specified in 19.7	anbotek Anbotek Anbote	N N
potek Aup	ok hotek Anbore And Stek	upotek Aupon ek	borek
Apotek	ANNEX ZA (NORMATIVE) SPECIAL NATIONAL CONDITIONS (EN)	Anbotek Anbotek	Anbo rs k
Yupo.	spotek Anbote Anbote	Aupo, sek apotek	Aupore
Anbox	Denmark, Sweden, Norway and Finland	clek Pupo, Vek Vipolek	-Pulp
7.12.8	The maximum inlet water pressure is at least 1,0 MPa	Tipotek Aupotek Aupo	cek N p
rek .	botek Anbot Ak hotek Anboten	And stek anbotek Ar	100°
YUPO YOK	Norway	Ando sek abotek	Anbore 1
9.5 Modek	The test is also applicable to appliances intended to be permanently connected to fixed wiring	ek Anbotek Anbotek	PUN.
k vupotek	Anbore Anbores Anbores Anb	otek anbotek Anbote	ok Kin
tek abo	Norway	to tek abotek Anbot	- P
22.2	The second paragraph of this subclause, dealing with single-phase, permanently connected class I appliances having heating elements, is not applicable due to the supply system	Anbotek Anbotek An	Ambotek



Ann	IEC 60335_1X ATTACHME	NT And botek	Anb.
Clause	Requirement + Test	Result - Remark	Verdict
otek Anb	Denmark Anborek Anbo	abotek Anbore Ant	orek -
22.47	The maximum inlet water pressure is at least 1,0 MPa	Anbotek Anbotek And	, _{hbot} N
Aupor	Anbotek Anbotek Anbotek	Anbore An borek	Aupolen
Aupore	Ireland and United Kingdom	sk Aupole, Aur	Anbo
25.8	In the table, the line >10 A and ≤16 A is replaced w	ith:ek Anbores And	N
itek Anbo	> 10 and ≤ 13 1,25 (1,0) ^b	hotek Anbotet Anbo	N Yes
wotek Al	> 13 and ≤ 16 1,5 (1,0) ^b	Anbotek Anbotek Anb	N
up utek	Anborek Anborek Anborek	Anti-	upo,
B Anbotek	ANNEX ZB (INFORMATIVE) A-DEVIATIONS	Anbotek Anbotek	Aupo
Anbotek	Anbot Anbotek Anbote	otek Anbotek Anbo	
tek anbo	Ireland Thousand Andores Andrew	notek Anbotek Anbo	·ok
25.1 and 25.25	These regulations apply to all plugs for domestic use at a voltage of not less than 200 V and in general allow only plugs complying with I.S. 401:1997, or equivalent, to be fitted to domestic appliances	Anbotek Anbotek Anbotek Arbotek Anbotek	Anbotek Anbotek
abotek	Anborek Anber	ek abotek Anbote	Dur.
ok Pos	United Kingdom	ok hotek Anboten	- PU
25.1 and 25.25	These regulations apply to all plugs for domestic use at a voltage of not less than 200 V and in general allow only plugs to BS 1363 to be fitted to domestic appliances.	Anbotek Anbotek Anbotek Anbotek An	N ootek nbotek
Anbotek	It also allows plugs to BS 4573 and EN 50075 to be fitted to shavers and toothbrushes	Anborek Anborek	More
Ans	Aupotek Aupo	Ann Anbotek	Auk
Cok Anb	ANNEX ZC (NORMATIVE) NORMATIVE REFERENCES TO INTERNATIONAL CORRESPONDING EUROPEAN PUBLICATIONS	L PUBLICATIONS WITH THEIR	otek
Aupotek Vupotek	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	Anbotek Anbotek	Anbotel
Anbore	Anbotek Anbotek Anbo	lek Aupor Au Hotek	Anb
D Anbote	ANNEX ZD (INFORMATIVE) IEC and CENELEC CODE DESIGNATIONS FOR	FLEXIBLE CORDS	K P
	ALCOHOL WALL TO A CONTRACT OF THE CONTRACT OF	1-07************************************	16507

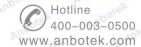




Anb	IEC 60335_1X ATTACHME	ENT And sk sporek	Anbe
Clause Moon	Requirement + Test	Result - Remark	Verdict
ZE ^k An	ANNEX ZE (INFORMATIVE) SPECIFIC ADDITIONAL REQUIREMENTS FOR A INTENDED FOR COMMERCIAL USE	APPLIANCES AND MACHINES	otek
7.1 Anbotek	Business name and full address of the manufacturer and, where applicable, his authorized representative	Anbotek Anbotek	Nek
k Aupore	Model or type reference	Lotek Anbotek Anbo	N
tek nit	Serial number, if any	otek anbotek Anbot	N N
*6K	Production year	Ando. Anborek Anb	N
'upo,	Designation of the appliance:	Vupo, Ek upolek b	nboteN ,
7.12	Instructions provided with the appliance so that the appliance can be used safely	ek Anbotek Anbotek	Anb N
nbote	The instructions contain at least the following inform	nation:	7 bo.,
stek Anb	the business name and full address of the manufacturer and, where applicable, his authorized representative	Anbotek Anbotek Anbo	rek N
Anbotek	- model or type reference of the appliance as marked on the appliance itself, except for the serial number	Anbotek Anbotek Ar	Anbotek
Aupotek	- the designation of the appliance together with its explanation in case it is given by a combination of letters and/or numbers	otek Anbotek Anbotek	N Ant
potek A	- the general description of the appliance, when needed due to the complexity of the appliance	Anbotek Anbotek Anbo	potek N
Anbotek	- specific precautions required during installation, operation, adjusting, user maintenance, cleaning, repairing or moving	Anbotek Anbotek	Anbore!
anbotek Anbotek	- when needed drawings, diagrams, descriptions and explanations necessary for the safe use and user maintenance of the appliance	nek Anbotek Anbotek	N _{Anb}
anbotek An	- the possible reasonably foreseeable misuse and, whenever relevant, a warning against the effects it may have on the safe use of the appliance	Anbotek Anbotek Anh	otek N
Anbotek Anbotek	The words "Original instructions" appear on the language version(s) verified by the manufacturer or by the authorized representative	lek Anbotek Anbotek	Andre
otek Anbot	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	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	otek



Aupo	IEC 60335_1X ATTACHME	NT Anbounds hotek	Anbe
Clause	Requirement + Test	Result - Remark	Verdict
otek Anbotek Anbotek	The instructions for maintenance/service to be done by specialized personnel, mandated by the manufacturer or the authorized representative may be supplied in only one Community language which the specialized personnel understand	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	nbotek
Anbotek Anbotek	The instructions indicate the type and frequency of inspections and maintenance required for safe operation including the preventive maintenance measures	botek Anbotek Anbotek Anbotek Anbotek	N ₁₀ 0
7.12.ZE1	If needed for specific appliances, the following infor	mation to be given:	, <u>-</u>
Anbotek Anbotek Anbotek	- 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	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek Anbot
Anbotek An	- on how to maintain adequate mechanical stability when in use, during transportation, assembly, dismantling, scrapping and any other action involving the appliance	Anbotek Anbotek Anbotek An	potek Anbotek
Anborek Anborek	- on the protective measures to be taken by the user, including, where appropriate, the personal protective equipment to be provided	otek Anbotek Anbotek	AN OF
	- on the operating method to be followed in the event of accident or breakdown; if a blockage is likely to occur the operating method to safely unblock the appliance	Anbotek Anbotek Anbotek Anbot	otek N
Anbotek	- on the specifications on the spare parts to be used, when these affect the health and safety of the operator	tek aupotek Hupotek	Anto N Anbore
ak Anbore	- on airborne noise emissions, determined and decl relevant Part 2, which includes:	ared in accordance with the	N N
	- the A-weighted emission sound pressure level at workstations, where this exceeds 70 dB(A);	Anbotek Anbotek Anb	ote ^k N
	- where this level does not exceed 70 dB(A), this fact is indicated	Anbotek Anbotek	AnMite
otek Anbotel	- the peak C-weighted instantaneous sound pressure value at workstations, where this exceeds 63 Pa (130 dB in relation to 20 μPa):	Pupotek Vipotek Vipotek Vipote	N ^{nt} A
Aupotek 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)	Anbotek Anbotek	nbotN Anbotek





h.	IEC 60335_1X ATTACHME	IN I A. Joseph	Vier
Clause	Requirement + Test	Result - Remark	Verdict
7.12.ZE2	The instructions include a warning to disconnect the appliance from its power source during service and when replacing parts	Anbotek Anbotek Anb	otek N
Anbotek Anbotek Anbotek	If the removal of the plug is foreseen, it is clearly indicated that the removal of the plug is such that an operator can check from any of the points to which he has access that the plug remains removed	sk Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbot Anbot
otek Anbo	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	Anbotek Anbotek Anbr	ntek N
19.11.4.8	The appliance continues to operate, without causing any hazard to the user, from the same point in its operating cycle at which the voltage fluctuation occurred, or	Anbotek Anbotek Anbotek Anbotek	Anborr Anborr
	a manual operation is required to restart it	o. A. botek Anbotes	N Am
20.1	Appliances and their components and fittings have adequate mechanical stability during transportation, assembly, dismantling and any other action involving the appliance	Anbotek Anbotek Anbo	lbotek Nabotek
20.2 _{Arib} otek	Dangerous moving transmission parts safeguarded either by design or guards	k Anbotek Anbotek	Anbore
ek Anbore	When guards are used, they are fixed guards, interlocking movable guards or protective devices	spotek Aupotek Aupotek	NAM'S
botek Ant	Moving parts directly involved in the function of the made completely inaccessible fitted with:	appliance which cannot be	pořekN
	- fixed guards or interlocking movable guards preventing access to those sections of the parts that are not used in the work, and	Anbotek Anbotek	Anbore!
Anbote Anbote	- adjustable guards restricting access to those sections of the moving parts where access is necessary	Josek Anbotek Anbotek	N'up.
potek And	Interlocking movable guards used where frequent access is required	Anbotek Anbotek Ant	o ^{tek} N
21.1 Anbotek Anbotek Anbotek	Appliances and their components and fittings have adequate mechanical strength and is constructed to withstand such rough handling that may be expected in normal use, during transportation, assembly, dismantling, scrapping and any other action involving the appliance	ek Anbotek Anbotek Anbotek Anbotek Ootek Anbotek Anbotek	Anbotek Anbotek
22.ZE.1	For appliances provided with a seat, the seat gives adequate stability	Anbotek Anb	otek N
Y. Potek	The distance between the seat and the control devices capable of being adapted to the operator	Pir. Potek Aupoter b	N _{otek}





And	IEC 60335_1X ATTACHME	NT And sk botek	Anbe
Clause	Requirement + Test	Result - Remark	Verdict
22.ZE.2	For appliances provided with separate devices for the start and the stop functions, the stop function is unambiguously identifiable and does always override the start function	Anbotek Anbotek Anbotek Anbotek	otek N
Anbotek Anbotek	For appliances provided with one device performing the start and the stop function, the stop function is unambiguously identifiable and does always override the start function	ek Anbotek Anbotek	Anho Anbo
22.ZE.3	Appliances designed in such a way that incorrect mounting is avoided, if this can lead to an unsafe situation	Anbotek Anbotek Anb	hek N
Anbotek Anbotek	If this is not possible, information on the correct mounting is given directly on the part and/or the enclosure	Anbotek Anbotek	Anb Nek
22.ZE.4	Where the weight, size or shape prevents appliances from being moved manually, they are fitted with attachments for lifting gear, or	otek Anbotek Anbotek	N _{An}
nbotek Anh	so designed that they can be fitted with such attachments, or	Anbotek Anbotek An	Nerod
Aupotek	be shaped in such a way that standard lifting gear can easily be used	Anbotek Anbotek	Anb N
tek Anbotek	Appliances to be moved manually are constructed or equipped so that they can be moved easily and safely	otek Anbotek Anbotek	N Ant
22.ZE.5	The fixing systems of fixed guards which prevent access to dangerous moving transmission parts only removable with the use of tools	Anbotek Anbotek Anb	potekN botek
Anbotek Anbotek	If such guards have to be removed by the user for routine cleaning or maintenance their fixing systems remain attached to the fixed guards or to the machine after removal	tek Anbotek Anbotek	Anbore Anb
otek Anbo	Where possible, guards are incapable of remaining in place without their fixings	hotek Anbotek Anbot	N P
Anbotek A	This does not apply if, after removal of the screws, or if the component is incorrectly repositioned, the appliance becomes inoperative	Anbotek Anbotek Antotek	Anborn Notel
potek	Movable guards are interlocked	ek potek Anbores	N
otek Anbotek	The interlocking devices prevent the start of hazardous appliance functions until the guards are fixed in their position, and give a stop command whenever they are no longer closed	Anbotek Anbotek Anbotek	P Number
Anbotek Ar	Where it is possible for an operator to reach the dar hazardous appliance functions has ceased, movabl guard locking device in addition to an interlocking d	e guards associated with a	'upotek





AUG	IEC 60335_1X ATTACHME	NT And John Shores	Anbe
Clause	Requirement + Test	Result - Remark	Verdict
potek Anb	- prevents the start of hazardous appliance functions until the guard is closed and locked, and	Anborek Anbore Anb	otek N
Anbotek Anbotek	- keeps the guard closed and locked until the risk of injury from the hazardous appliance functions has ceased	Anbotek Anbotek	nbotek Anbotek
anbotek Anbotek	Interlocking movable guards remain attached to the appliance when open, and	otek Anbotek Anbotek	N _{ipo} ,
opotek Anbo	they are designed and constructed in such a way that they can be adjusted only by means of an intentional action	Anbotek Anbotek Anbr	stek N
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	Anbotek Anbotek Anbotek	Anborek Anbore
otek Anboi	The guard is opened to the extent needed to cause the interlocking to operate and is then closed, the number of operations being defined in the specific Part 2	Anbotek Anbotek Anbotek	rek N Ant
Anbotek Anbotek	After this test any defect that may be expected in normal use is applied to the interlock system, including interruption of the supply, only one defect being simulated at a time	Anbotek Anbotek Anbotek Anbotek	Anbote Anbote
otek Anbot	After these tests the interlock system is fit for further use	spotek Aupotek Aupotek	N _A nb
22.ZE.7	Adjustable guards restricting access to areas of the for the work are:	moving parts strictly necessary	potek-
Anborek	- adjustable manually or automatically, depending on the type of work involved, and	Amborek Amborek	AnboN hotel
, boiek	- readily adjustable without the use of tools	ok hotek Anbotes	N
22.ZE.8	In case of interruption, re-establishment after an interruption or fluctuation in whatever manner of the power supply, the appliance does not restart	botek Anbotek Anbotek	N. A.
Anbotek Anbotek	However, automatic restarting of the operation is allowed if the appliance may continue to operate, without causing any hazard to the user, from the same point in its operating cycle at which the voltage interruption or fluctuation occurred	Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek
22.ZE.9	Appliances fitted with means to isolate them from all energy sources	potek Anbotek Anboten	k N
botek Anb	Such isolators are clearly identified, and	anborek Anbore And	otek N
Anbotek A	they are capable of being locked if reconnection endanger persons	Anbotek Anbotek Anb	nbord





And	IEC 60335_1X ATTACHME	NT And sold shortel	Anb
Clause	Requirement + Test	Result - Remark	Verdic
otek Anbrak	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	Anbotek Anbotek Anb	otek N
Anbo	"upotek Mupour K Water Wupoter	Anbo stek anbotek	Aupor
F Anborek	ANNEX ZF (INFORMATIVE) CRITERIA APPLIED FOR THE ALLOCATION OF STANDARDS IN THE EN 60335 SERIES UNDER		E Ar
nbotek An	List of standards under CENELEC/TC61 with the allocation under the LVD (Low Voltage Directive) or the MD (Machinery Directive):	Anborek Anborek Anb	upotek
Aupo,	Anbotek Anbotes Anbotek Anbotek	Anbo. Lek abotek	Aupole
ZG Anborek	ANNEX ZG (NORMATIVE) UV APPLIANCES	otek Anbotek Anbotek	Alibo,
tek Anbot	The following modifications to this standard apply to appliances having UV emitters	Anbotek Anbotek Anboto	N N
hotek An	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	Anbotek Anbotek Ar	lbote ^N
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	otek Anbotek Anbotek Anbotek Anbotek Anbotek	Not Andot
2 potek Anbotek	For appliances incorporating UV emitters the manufacturer delivers a declaration providing evidence that the plastic material exposed to the radiation is UV resistant	Anbotek Anbotek Anbot	N potek Anbotek
Anbores	And otek Anbotek Anbote Ak wotel	Anbores Ansoniek	anbois
CH Anboten	ANNEX ZH (INFORMATIVE) Common plug and socket-outlet types in CENEL	EC countries	Anh
otek Anb	In general, supply cords of single-phase appliances exceeding 16 A are fitted with a plug complying with		P
inbotek A	- for class I appliances or class II appliances with functional earth, standard sheet EU2, EU3 or EU4:	Anbotek Anbotek An	Ambor Pr
Anborek	- for class II appliances, standard sheet EU5, EU6 or EU7	ek anbotek Anbotek	AUN Note
Aupotek	There are exemptions or differences in certain CENELEC countries	potek Anbotek Anboten	N
otek Anbe	ek abotek Anbotek Anbo	Anbotek Anbors Att	otek
Inpotek A	ANNEX ZI (INFORMATIVE) Information on the application of A11:2014 to ENCENELEC CLC/TC 61(SEC)2096A	N 60335-1:2012	mbotak Lek

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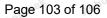


K NOT	IEC 60335_1X ATTACHMI	EIVI A	Dur
Clause	Requirement + Test	Result - Remark	Verdic
otek Ant	Clarification of the application of parts 2 in conjunction with the 2002 or 2012 version of EN 60335-1	Anbotek Anbotek Anb	otek P
'urek	Anbotek Anbotek Anbote	Am atek anbotek	iupo rek
ZZA Anbotek	ANNEX ZZA (INFORMATIVE) RELATIONSHIP BETWEEN THIS EUROPEAN S' OBJECTIVES OF DIRECTIVE 2014/35/EU [2014 COVERED		Anbore A
itek Anb	This standard provides one means of conforming to safety objectives of Directive 2014/35/EU	Anbotek Anbotek Anbre	stek P
Anbotek Anbotek Anbotek	When cited in the Official Journal under that Directive, compliance with the normative clauses of this standard given in Table ZZA.1 confers a presumption of conformity with the safety objectives of that Directive and associated EFTA regulations	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek Anbot
potek Vupe	Compliance with this Part 1 when used together with the relevant Part 2 provides one means of conformity with the safety objectives	Anbotek Anbotek Anbo	lek b
Anbote	and tek anbotek Anbot All hotek	Anbotek And otek	nbotek
ZZB	ANNEX ZZB (INFORMATIVE)		01
ek ^{Vupo} tek	RELATIONSHIP BETWEEN THIS EUROPEAN S' ESSENTIAL REQUIREMENTS OF DIRECTIVE 20 COVERED		Anb Anh
ek Anbotek	RELATIONSHIP BETWEEN THIS EUROPEAN S ESSENTIAL REQUIREMENTS OF DIRECTIVE 20		And And And P
ek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	RELATIONSHIP BETWEEN THIS EUROPEAN S' ESSENTIAL REQUIREMENTS OF DIRECTIVE 20 COVERED This standard provides one means of conforming to essential requirements of EU Directive		Anbore Anbore Anbore
Anbotek	RELATIONSHIP BETWEEN THIS EUROPEAN S'ESSENTIAL REQUIREMENTS OF DIRECTIVE 20 COVERED This standard provides one means of conforming to essential requirements of EU Directive 2006/42/EC 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		Anbotek Anbotek Anbotek Anbotek Anbotek
Anbotek	RELATIONSHIP BETWEEN THIS EUROPEAN S'ESSENTIAL REQUIREMENTS OF DIRECTIVE 20 COVERED This standard provides one means of conforming to essential requirements of EU Directive 2006/42/EC 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 Compliance with this Part 1 when used together with the relevant Part 2 provides one means of conformity with the essential health and safety		Anbore Anbore
potek Anbotek	RELATIONSHIP BETWEEN THIS EUROPEAN S'ESSENTIAL REQUIREMENTS OF DIRECTIVE 20 COVERED This standard provides one means of conforming to essential requirements of EU Directive 2006/42/EC 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 Compliance with this Part 1 when used together with the relevant Part 2 provides one means of conformity with the essential health and safety		Anbore Ant
Anbotek	RELATIONSHIP BETWEEN THIS EUROPEAN S'ESSENTIAL REQUIREMENTS OF DIRECTIVE 20 COVERED This standard provides one means of conforming to essential requirements of EU Directive 2006/42/EC 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 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 ANNEX EN 62233:2008 + AC:2008	Anborek	Anbore Ant





AUD	IEC 60335_1X ATTACHME	NT And borek	Anb
lause Moone	Requirement + Test	Result - Remark	Verdic
stek Anbo	A15: 2021 to EN 60335-1:2	012 orek Ambore Am	orek
0.2	For appliances having hazardous moving parts, due to their working function, e.g. the needle of a	Anbotek Anbotes Ant	,nbot N
	sewing machine, tools of kitchen machines or the blade of an electrical knife, full protection is not possible for performing their intended use.	ek Anbotek Anbotek	Anbote
2.44 _{Anborer}	An appliance is child-appealing if one of the following criteria is present:	potek Anbotek Anbore	N
tek Aupo	appliance decorated using faces, cartoon like characters, or similar images;	Anbotek Anbote Anb	rek N
loose, Vek	 appliance using shapes representing animals, characters, persons or scale models. 	Anbotek And	nboteN
	An appliance is child-appealing if more than one of the following criteria are present:	k Anbotek Anbotek	AnbN
h. abotek	indicating status of an appliance); — using non-functional light (functional light is e.g.	rek upotek Aupoter	N
ek ho	illumination of an object or area, signal	o. Ai. Potek Aupoter	P
V. Viu	— using non-functional sound (e.g. music);	supore Ans Potek Pube	N
Doler Vu	— using non-functional movement.	Anboren And	Nefoci
	If the appliance is child-appealing, has a mass less than 4 kg or is mounted or normally intended for use at a height less than 850 mm, the following conditions shall be met:	k Anbotek Anbotek	Anbolik
Anboie Anboie Anboie Ant	— No surface (both functional surfaces and non- functional) that are accessible by means of test probe 19 of IEC 61032 located at a height less than 850 mm shall exceed the temperature rises stated below:	nbotek Anbotek Anbotek	N _M
Anbotek Anbotek	Temperature rise – of bare metal 38K – of coated metal 42K – of glass and ceramic 51K	Anbotek Anbotek Anbotek	Anbo'
Anbore	of plastic having a thickness exceeding 0,4 mm58K	tek Anbotek Anbotek	P.C.
	— 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.	Anbotek Anbotek Anbot	otek N
Anbotek	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.	Anbotek Anbotek	Anbote N
Anborek	— Liquid in the appliance shall not exceed 38 °C in normal use when it is accessible by means of	otek Anbotek Anbotek	No
	test probe 1 9 under the conditions specified for test probe 1 8 in Clause 20.2 or can get out of the appliance when positioned in different positions.	Ambotek Ambotek Ambote	otek
	Vessels in which two independent and sequential actions are needed to access the liquid are	Anbotek Anbotek An	nbotek
	considered to meet the requirement.		200





Attachment 1: EU difference

IEC 60335_1X ATTACHMENT				
Clause	Requirement + Test	Result - Remark	Verdict	
24.1.7 And	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	Anbotek Anbotek Ant	otek N	
Annex ZA	Special national conditions	Anbore Ans	ANIP PER	
25.8	add Cyprus Annex ZH Common plug and socket-outlet types in CENELEC countries	ak Anbotek Anbotek	Phot	



Attachment 2: Photo documentation





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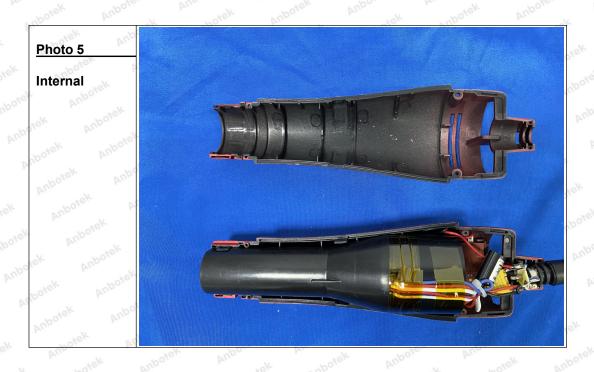
Attachment 2: Photo documentation

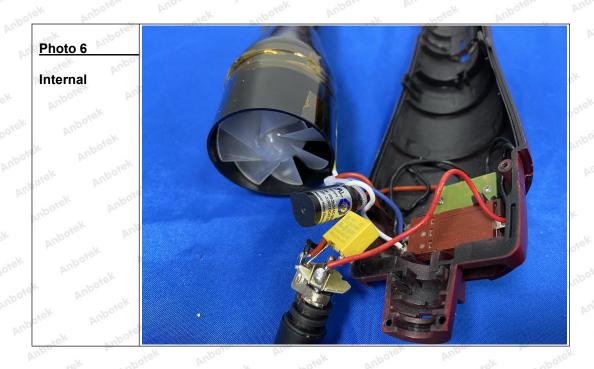






Attachment 2: Photo documentation





End of Report