TEST REPORT
BS 1363-2
13 A plugs, socket-outlets, adaptors and connection units - Specification for 13 A switched and unswitched socket-outlets

Report Number.....:	RKEYS250314096
Total number of pages.....	41 pages
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Approved by (name + signature)...:	Jason Zhan
Testing Laboratory Name.....:	Guangdong KEYS Testing Technology Co., Ltd.
Address.....:	Building 1, No.18, Shihuan Road, Dongcheng Subdistrict, Dongguan, Guangdong, China
Applicant's name.....:	YUSONG GROUP INC
Address.....:	421 S BROOKHURST ST STE 1312 ANAHEIM 92804-2413 CA US
Manufacturer's name.....:	YUSONG
Address.....:	421 S BROOKHURST ST STE 1312 ANAHEIM 92804-2413 CA US
Test specification:	
Standard.....:	BS 1363-2:2023
Test procedure..... :	Type test
Non-standard test method..... :	N/A
Test item description..... :	Night Stand
Trade Mark.....:	YUSONG
Model/Type reference.....:	YS-02NS011A
Ratings.....:	Rated input:250V~/50Hz/13A/Max2990W USB Ouput:5.0Vd.c.2.1A.10.5W Max

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General disclaimer:

This report is only for applicant use. Any copying this report to/for any other person or entity, and use our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification

List of Attachments:

- Measurement Section
- Attachment No.1:Photo document (5 pages)

Total number of pages in each attachment is indicated in each individual attachment.

Summary of testing:

Only tested 13 A switched and unswitched socket-outlets

Testing location:

Guangdong KEYS Testing Technology Co., Ltd.

Building 1, No.18, Shihuan Road, Dongcheng Subdistrict, Dongguan, Guangdong, China

Summary of compliance with National Differences:

List of countries addressed:

☒ The product fulfils the requirements of **BS 1363-2:2023**

Remark:

/

Copy of marking plate:

The artwork below may be only a draft.

Night Stand
Model No: YS-02NS011A
Rated input:250V~/50Hz/13A/Max2990W
USB Ouput:5.0Vd.c.2.1A.10.5W Max

YUSONG
Made In China

Importer: xxx
Address: yyy

Note:
1. xxx means importer company name; yyy means importer company address information.
2.The marking for the other models are identical as above except the model no. only.
3.As declared by client that the name (or registered trade mark) and address of the certificate holder (manufacturer) or the importer or authorized representative based within the European Economic Area will be clearly affixed on the product or where that is not possible, on the packaging or in a document accompanying the product.
4.The height of letters and numerals was not less than 2mm.
5.The height of symbol “  ” was not less than 7mm.
6.The height of the other graphical symbols was not less than 5mm.

Test item particulars.....:	See test report
Function..... :	AC plug portion
Supply Connection..... :	AC plug
Maximum ambient temperature..... :	25°C
Possible test case verdicts:	
- test case does not apply to the test object..... :	N/A
- test object does meet the requirement..... :	P (Pass)
- test object does not meet the requirement.....:	F (Fail)
Testing.....:	
Date of receipt of test item.....:	Mar. 10, 2025
Date (s) of performance of tests..... :	Mar. 10, 2025 to Mar. 20, 2025
General remarks:	
"(See Enclosure #)" refers to additional information appended to the report.	
"(See appended table)" refers to a table appended to the report.	
Throughout this report a ☐ comma / ☒ point is used as the decimal separator.	
Name and address of factory (ies).....:	YUSONG 421 S BROOKHURST ST STE 1312 ANAHEIM 92804-2413 CA US
General product information:	
1. Plug with cord and 13A fuse, powered by AC mains.	

BS 1363-2			
Clause	Requirement + Test	Result - Remark	Verdict
Seq. 1	**Inspection, measurement, gauging and manipulation**		–
5	All tests shall be type tests		P
6	Classification		–
	Socket-outlet is:		–
	single		N/A
	multiple		P
	switched		N/A
	unswitched		P
	fused		N/A
	unfused		P
	(if fixed) flush		N/A
	(if fixed) surface		N/A
	panel-mounting		N/A
	(if portable) rewireable		N/A
	(if portable) non-rewireable		P
	with indicator lamp		P
	without indicator lamp		P
	having IP rating with plug inserted		N/A
	having IP rating only when no plug inserted		N/A
	screw-type terminals		N/A
	with screwless terminals for rigid conductors		N/A
	with screwless terminals for flexible conductors		N/A
	with screwless terminals for rigid and flexible conductors		N/A
	Intended for electric vehicle charging		N/A
	not intended for electric vehicle charging		P
	with electronic components		P

BS 1363-2			
Clause	Requirement + Test	Result - Remark	Verdict
	without electronic components		N/A
7	Marking and labelling		–
7.1	Socket-outlets shall be legibly & durably marked with the following information:		–
	a) trade mark	See page 1	P
	b) BS standard no.	BS 1363-2	P
	c) portable socket-outlet no. of BS followed by	/A	P
	d) electric vehicle charging no. of BS followed by		N/A
	e) rewireable socket-outlet terminals identified		N/A
	f) fused socket-outlet		N/A
	g) fixed fused multiple socket		N/A
	h) for all socket		–
	h1) rated current	13A	P
	h2) rated volts	AC 250V	P
	h3) nature of supply	~	P
	i) for socket-outlets with screwless terminals		–
	i1) the length of insulation to be removed		N/A
	i2) rigid conductors only		N/A
	i3) flexible conductors only		N/A
	j) IP classification (higher than IP20)	IP20	N/A
7.1.1	marking method	Label	P
	After the test, the marking durable and legible		P
7.2	Portable socket-outlets fitted with a flexible cord.		P
7.3	Rewirable portable socket-outlets shall be provided with adequate instructions.		N/A
7.4	Symbols used shall be as follow:		–
	amperes	A	P

BS 1363-2			
Clause	Requirement + Test	Result - Remark	Verdict
	volts	V	P
	alternating current	~	P
	direct current		N/A
	line	L	P
	neutral	N	P
	earth		N/A
	fuse		N/A
	screwless terminals for rigid conductors	r	N/A
	screwless terminals for flexible conductors	f	N/A
	degree of protection	IPXX	N/A
7.5	Instructions for installation and use of socket- outlets having IP classification greater than IP20.		N/A
9.1	Socket-outlets shall be so designed, live part are not accessible.		P
9.1.1	A test pin is applied, it shall not be possible to touch live parts.		P
11.1	Terminals & terminations shall provide for effective clamping and securing of conductors.		P
11.2	Line terminals shall be provided		N/A
	Neutral terminals shall be provided		N/A
	Earth terminal shall be provided		N/A
	Separate terminals shall be provided for incoming and outgoing connections		N/A
11.3	Non-rewirable portable socket-outlets.		–
	- Provided with soldered	Welded, soldered	P
	- Welded		P
	- Crimped		N/A
	For all these methods of termination		–
	- Not more than two stands of conductors shall be		P

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Clause	Requirement + Test	Result - Remark	Verdict
	fractured during connection.		
	Screwed and „snap-on" terminals not used.		P
	Crimped connections not per-soldered unless the soldered area is entirely outside the crimp.		N/A
11.4	Terminals in rewirable portable socket-outlets permit the connection, without special preparation of flexible cords having normal conductor cross-sectional area of 1mm2 to 1,5mm2.		N/A
11.5	Line and neutral terminals in fixed socket-outlets permit the connection		–
	- One or two or three 2,5mm2 solid or stranded conductor		N/A
	- One or two 4,0mm2 stranded conductors		N/A
11.6	Earthing terminals in fixed socket-outlets permit the connection, without special preparation.		–
	- One or two or three 1,5mm2 solid or stranded conductor		N/A
	- One or two or three 2,5mm2 solid or stranded conductor		N/A
	- One or two 4mm2 stranded conductors		N/A
11.7	Pillar terminals use clamping screws of sufficient length to extend to the far side of the conductor hole.		N/A
	The end of the screw shall be slightly rounded.		N/A
	Clearance between the sides of the major diameter of the clamping screw & the conductor hole.		N/A
	Cord connection,≤0,4mm		N/A
	Fixed wiring, ≤0,6mm		N/A
11.8	Declared outside diameter of terminal screw, ≥3mm or 6 B.A.		N/A
	Thread cutting screws not used.		N/A
	Thread forming screws not used.		N/A
11.9	in rewirable portable socket-outlets terminals so located or shielded that should a stray of a flexible conductor escape no risk of accidental connection between live parts		N/A

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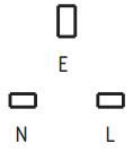
Clause	Requirement + Test	Result - Remark	Verdict
	of accessible external surface.		
	a) not touch any metal part by pass fuse link.		N/A
	b) not touch any accessible metal part.		N/A
	c) not reduce creepage and clearance to less		N/A
	than 1,3mm		
	Free stand to earthing shall not touch any living part.		N/A
9.2	Socket-outlet designed and constructed to protect against accidental contact with live parts.		P
9.4	A rigid metal pin, 1mm diameter and 60mm long is introduced through the earthing aperture and live parts is not touched.		P
10.1	Earth connection is made before the current- carrying pins of the plug become live.		P
	When withdrawing the plug, the current-carrying parts shall separate before the earth contact is broken.		P
13.1	The disposition of the socket contacts shall be as follow:		P
	Any steps or profile contours on the engagement surface shall not result in the surface deviating from the plane of engagement by more than 3mm.		P
	Holes not exceeding 8mm diameter for the purpose of assembly fixing shall be deemed acceptable.		N/A
	There shall be no projection on the engagement surface of a socket-outlet such as would prevent the full insertion of a plug.		P
	No projection more than 0,5mm on the engagement surface of the socket-outlet.		P
	The spacing of the socket contacts, „Go" gauge is used to test the contacts.		P
13.2	After testing with „contact gauge", the line and neutral socket contact satisfactory with the corresponding pins of		P

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Clause	Requirement + Test		Result - Remark	Verdict
	the plug.			
13.3	After testing with the “non-contact gauge”, the travel of current-carrying pin in any position the socket contacts may occupy, not less than 9,6mm.			P
13.9	The apertures for line, neutral and earth plug pins			
		Spec (mm)	Measured:	–
	L (mm)	≤7,2 x 4,8	Max 7.0 x 4.6	P
	N (mm)	≤7,2 x 4,8	Max 7.0 x 4.6	P
	E (mm)	≤8,8 x 4,8	Max 8.5 x 4.6	P
13.10	The distance from the apertures of line and neutral to the periphery of the engagement surface. Limit : ≥ 9,5mm /18,0mm		Measured: L (mm): Min. 12,3 N (mm): Min. 12,3	P
13.12	Multiple socket-outlet simultaneous use by „Go“ gauge test.			P
13.14	Conductive component parts of socket-outlet shall be so located and separated that, in normal use, they can not be displaced so as to affect adversely the safety or proper operation of the socket-outlet.			P
13.15	For flush socket-outlets intended to be used in enclosures conformity with BS 4662 shall be such that the clearance for the purpose of wiring			N/A
	between the base or bases and the inside walls of the box is not less than 6mm.			
	The clearance between the overall depth of the base of the bottom of a 35mm deep box is not less than 14mm.			N/A
	There shall be no live metal protruding from or flush with the socket-outlet base.			N/A
13.16	Flush-mounted socket plates have provision for two M3,5 fixing screw			N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Flush-mounted socket plates intended for mounting on boxes. The distance between the two screws at centre. required = 60,3mm ± 0,2mm for 1 gang = 120,6mm ± 0,3mm for 2 gang = 180,9mm ± 0,4mm for 3 gang	Measured dimension (mm): x	N/A
13.17	Dimension for flush socket-outlet pates either of insulating material or metal. Limit: ≥ 82,5mm x 82,5mm for 1 gang ≥ 82,5mm x 142,5mm for 2 gang	Measured dimension (mm): x	N/A
13.18	The base and cover of non-rewirable portable socket-outlets shall be permanently attached to each other.		P
	The base and cover of rewirable portable socket- outlets shall be firmly secured to each other.		N/A
13.20	For non-rewirable portable socket-outlets means shall be provided to prevent loose strands of conductor connected to current-carrying parts from reducing the minimum insulation thickness requirements between such parts and all accessible external surface of the socket-outlet.		P
13.21	For non-rewirable portable socket-outlets internal connections shall not be made by means of screws.		N/A
13.21.1	Conformity shall be checked by inspection.		N/A
13.25	Electronic components incorporated in socket- outlets shall conform to Annex I.		P
13.25.1	Conformity shall be checked by inspection of component conformity evidence and the tests of Annex I.		P
19.2	Cord anchorages shall anchor the cord securely to the socket-outlet.		N/A
	a) the cord anchorage can not be released from the outside without the use of a tool.		N/A
	b) it shall not be possible to touch cord anchorage screws with test probe B of BSEN 61032:98		N/A
	c) the cord is not clamped by a metal part bearing directly on the flexible cord		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	d) at least one part of the anchorage is securely fixed to the socket-outlet.		N/A
	e) clamping the cord does not require the use of a special purpose tool.		N/A
	f) the cover may be correctly fitted without damage		N/A
19.3	Clamping screws shall not serve to fix other components.		N/A
19.4	Non-rewireable portable socket shall be fitted with 3-core flexible cords.		P
19.6	The cord entry to rewireable portable socket- outlets shall be so shaped as to prevent damage to the cord.		N/A
8	Clearances, creepage distances and solid insulation		–
	The distance between lead wires in the pinch of a neon lamp with external resistor shall be a minimum of 1mm	Measured: >1.5mm	P
8.1	Clearances		–
	Default pollution degree (Width X)	2 (1,0mm)	P
	Pollution degreedeclared by manufacturer (Width X)	1 / 3 (0,25mm / 1,5mm)	N/A
	Default rated impluse voltage (overvoltage category)	4000V (III)	P
	Declared rated impluse voltage (overvoltage category)	1500 / 2500 (I / II)	N/A
8.1.1	Clearances for basic insulation	>4mm (by gauge)	P
8.1.2	Clearances for functional insulation	>4mm (by gauge)	P
8.1.3	Clearances for supplementary insulation		N/A
8.1.4	Clearances for reinforced insulation	>6mm (by gauge)	P
8.1.5	The minimum contact gap shall be 1,2mm in the open position		N/A
8.2	Creepage distances		–
	Default pollution degree (Width X)	2 (1,0mm)	P
	Pollution degreedeclared by manufacturer (Width X)	1 / 3 (0,25mm / 1,5mm)	N/A
	Min. CTI/PTI (material group)	100 (IIIb)	N/A
	Declared material group	I / II / IIIa	P

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Clause	Requirement + Test	Result - Remark	Verdict
	Corresponding CTI/PTI of declared material group	175 ≤CTI/PTI < 400	P
8.2.1	Creepage distances for basic insulation	>4mm (by gauge)	P
8.2.2	Creepage distances for functional insulation	>4mm (by gauge)	P
8.2.3	Creepage distances for supplementary insulation		N/A
8.2.4	Creepage distances for reinforced insulation	>6mm (by gauge)	P
8.3	Solid insulation		–
	No minimum thickness for solid insulation		P
8.3.1	Conformity shall be checked by tests with 15.1.3 using the values given in table 5.		P
	Basic solid insulation	1500V	P
	Functional insulation	1500V	P
	Supplementary solid insulation	1500V	N/A
	Reinforced solid insulation	3000V	P
	During the test, no breakdown or flashover occurred		P
8.4	Requirements for printed wiring boards and equivalent construction		–
	Printed wiring boards and equivalent construction shall conform to BS EN 60664-5		N/A
	Where coating, potting or moulding is used articles shall conform to BS EN 60664-3		N/A
21	Screws, current-carrying parts and connections		–
21.1	Screws directly transmitting electrical contact pressure did screw into metal.		N/A
	Screws shall not be of metal which is soft and liable to creep. screws shall not be of insulating material.		N/A
	Screwed connection shall withstand the mechanical stresses occurring in normal use.		N/A
	Contact pressure in electrical connections shall not be transmitted through insulating material unless there is insufficient resiliency in the metallic parts.		P

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Clause	Requirement + Test	Result - Remark	Verdict
21.1.1	Torque test:		N/A
	- 10 times for thread of insulating material ..:		N/A
	- 5 times for others .....:		N/A
	After the test, no damage impairing the further use of the screwed connection.		N/A
21.2	Thread-cutting and thread forming screws shall not be used for the making of current-carrying or earth continuity connections.		P
	Screws which make a mechanical connection on between different parts of the socket-outlet shall be locked against loosening, if the connection carries current.		N/A
	Rivets shall be locked against loosening		N/A
21.3	Current-carrying part shall be of brass		P
	parts of earthing circuit shall be of brass		P
Seq. 2	**General**		–
c	All tests shall be type tests		P
9.3	The resilient accessible external surface, no risk as a result of undue pressure, live parts could penetrate the accessible surfaces.		P
	The design of the apparatus shall be steadied force of 240 N.	Test force: 236N	P
	A test voltage of 2000V±60V 50Hz is applied for 60 s between all live parts bonded together and 0 the earthed test pressure block.	Test voltage: 2000V	P
	During the test no flashover or breakdown occurred.		P
	After the test it shall not be possible to touch live parts.		P
21.3	Current-carrying parts shall be of brass		P
	Earthing contacts shall be of brass		P
10.2	All accessible metal parts of socket-outlets shall be in effective electrical contact with the earthing contact. Then voltage drop across them is measured and the resistance	Between earthing pin of the plug inserted and earthing termination	P

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Clause	Requirement + Test	Result - Remark	Verdict
	is calculated.		
10.2.1	a). for metal parts insulated from live parts, by the test described in clause 15.1.3.		N/A
	b). for metal parts connected to an earthing terminal	Test current: 25A;	P
	c). the resistance between the earthing terminal and any other nominated part shall not exceed 0.05Ω	Measured: Max. 0.01Ω	P
10.3	The connection between the screw and earthing terminal shall be of low resistance.		N/A
10.3.1	Between the socket-outlet earthing terminals and any fixing screw in electrical contact with the earthing circuit shall be checked by clause 10.2.1b).	Test current: 25A; Torque value: Nm; Measured: Ω	N/A
19.1	The cord anchorage shall be such that the conductors are relieved from strain, including twisting, where they are connected to the terminals.		P
	The cord anchorage did contain the sheath and should either be of insulating material.		P
	Tying the cord into a knot or tying the ends with string or the like not used		P
19.1.1	Rewirable portable socket-outlet are fitted with a 3-core flexible cord. The conductors are introduced into the terminals and the terminal screws tightened just sufficiently to prevent the conductors easily changing their positions.	Clamping screw torque = Nm	N/A
	For non-rewirable portable socket-outlet, the test is carried out with the cord with which it is supplied		P
	Using the appropriate load and torque in table 2	3kg; 0,25Nm for 3G1,0mm2 cord; 6kg; 0,30Nm for 3G1,25mm2 cord 6kg; 0,35Nm for 3G1,5mm2 cord	P
	During the test, the insulation of the flexible cord shall not be damaged.		P
	A voltage of 3750V is applied for 60s between the conductors. No breakdown or flash over is occurred.		P

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Clause	Requirement + Test		Result - Remark	Verdict
	Size of cord (mm2)	Displacement (mm)	Limit (mm)	–
	1.0		≤2.0	N/A
	1.25		≤2.0	N/A
	1.5		≤2.0	N/A
	H05VV-F 3G1,0 (supplied)	Max. 0,9	≤2.0	P
	H05VV-F 3G1,25 (supplied)	Max. 0,7	≤2.0	P
	H05VV-F 3G1,5 (supplied)	Max. 0,6	≤2.0	P
14.2	Socket-outlets shall be proof against humid conditions in normal use.		25℃, 93%	P
15	Insulation resistance and electric strength			–
15.1.2	Insulation resistance of socket-outlets shall be adequate. (500 V d.c. for 1 min)			P
	Parts between	Insulation resistance (MΩ)	Limit (MΩ)	–
	a)Line and neutral	>199	≥5	P
	b)Line/neutral and			–
	1. metal foil covered with the body	>199	≥5	P
	2. earthing	>199	≥5	P
	3. metal part of a cord anchorage		≥5	N/A
	c)Switch contacts - L	>199	≥2	P
	Switch contacts - N		≥2	N/A
15.1.3	Electric strength of socket outlets shall be adequate. (2000V a.c., for 1 min):			P
	Parts between			–
	a) Line and neutral			P
	b) Line/neutral and			–

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Clause	Requirement + Test	Result - Remark	Verdict
	1. metal foil covered with the body		P
	2. earthing		P
	3. metal part of a cord anchorage		P
	c1) Switch contacts - L		P
	c2) Switch contacts - N		N/A
	During the test, no breakdown or flashover occurred.		P
15.2	Non-rewireable portable socket-outlet shall withstand with a.c. voltage between an a.c. voltage of 6000V is applied for current-carrying parts and accessible surface.		P
	During the test, no breakdown or flashover occurred.		P
13.13	The fuse link is fitted to a socket-outlet it shall conform to BS 1362 and shall be mounted in suitable contacts between the line terminal.		N/A
	The design shall be such that the fuse link can not be displaced accidentally during use.		N/A
	The contact for a fuse link connected to the line terminal shall be formed in one piece with a fixed part of the terminal.		N/A
9.1.1	***Socket-outlets shall be so designed, live parts are not accessible in normal use.***		***P***
13.4.1	a) Socket contacts shall have effective electrical contact with a corresponding plug pin. Limit: ≤25mV	Measured: L (mV): Max. 14 N (mV): Max. 16	P
	b) Socket contacts shall have effective mechanical contact with a corresponding plug pin.		P
13.5	Socket contacts shall withstand the stresses.		P
	1) Line socket contacts		P
	2) Neutral socket contacts		P
13.6	Earth socket contacts shall withstand the stresses		P

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Clause	Requirement + Test	Result - Remark	Verdict
	After the test, the earth socket contacts shall retain the gauge for 30s.		P
Seq. 3	**General**		–
5	All test shall be type tests		P
13.13	The fuse link is fitted to a socket-outlet it shall conform to BS 1362 and shall be mounted in suitable contacts between the line terminal.		N/A
	The design shall be such that the fuse link can not be displaced accidentally during use.		N/A
	The contact for a fuse link connected to the line terminal shall be formed in one piece with a fixed part of the terminal.		N/A
20.1.2	The fuse clips of a fused socket-outlet shall have adequate mechanical strength.		N/A
17	Breaking capacity of socket-outlets		–
17.1.2	The breaking capacity of socket contacts shall be adequate.		P
	Test current (A), test voltage (V)	3A 250V~	P
	After the test, the socket-outlet shall be capable of satisfying.		P
17.1.3	The breaking capacity of switches incorporated in socket outlets shall be adequate.		P
	Test current (A), test voltage (V)	3A 250V~	P
	After the test, the socket-outlet shall be capable of satisfying.		P
17.1.4	The breaking capacity of fuse contacts incorporated in socket outlets shall be adequate.		N/A
	Test current (A), test voltage (V)		N/A
	After the test, the socket-outlet shall be capable of satisfying.		N/A
13.11	Switches shall be so constructed that undue arcing can not occur when the switch is operated slowly.		P

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Clause	Requirement + Test		Result - Remark			Verdict
	The switch shall disconnect at least the supply to the line socket contact.					P
13.11.1	Following the test in clause 17, the circuit is broken a further 10 times, each time moving the actuating member by hand over a period of 2s in a manner such as to attempt to stop the moving contact in an intermediate position causing arcing.					P
	The actuating member shall be released after 2s of any arcing shall cease.					P
16	Temperature rise					–
16.1.2	The fixed socket-outlets and their surroundings shall not attain excessive temperatures in normal use.					N/A
	Test current (A), test voltage (V):					N/A
	Terminal screws: torque (Nm):					N/A
	USB battery charging outlets shall be loaded with current (A):		USB load:			N/A
	Parts	T1(K)	T2(K)	T3(K)	Limit (K)	–
	Terminals / terminations „L“ (K)				≤52	N/A
	Terminals / termination „N“ (K)				≤52	N/A
	Accessible external surface (K)				≤52	N/A
16.1.3	The portable socket-outlets and their surroundings shall not attain excessive temperatures in normal use.					P
	Test current (A), test voltage (V):		3A 250V~(for 1,0mm2 cord)			P
	Terminal screws: torque (Nm):					N/A
	USB battery charging outlets shall be loaded with current (A):		USB load:			N/A
	Parts	T1(K)	T2(K)	T3(K)	Limit (K)	–
	Terminals / terminations „L“ (K)	40	37	35	≤52	P

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Clause	Requirement + Test		Result - Remark			Verdict
	Terminals / termination „N“ (K)	38	38	35	≤52	P
	Accessible external surface (K)	17	17	16	≤52	P
	Switch knob (K)	22	21	21	≤52	P
	The multiple portable socket-outlet, the test current being divided equally between a no. of test plug, one inserted into each set of socket contacts in the portable socket-outlet.					P
	For portable socket-outlets with more than 4 outlets, the test shall be performed with 4 test plugs inserted into 4 sets of socket contacts, selected to give the most onerous conditions.The remaining outlets shall have nothing inserted into them.					P
	Test current (A), test voltage (V):		Total: 13A 250V~(for 1,0mm2 cord)			P
	Terminal screws: torque (Nm):					N/A
	USB battery charging outlets shall be loaded with current (A):		USB load:			N/A
	Parts	T1(K)	T2(K)	T3(K)	Limit (K)	–
	Terminals / terminations „L“ (K)	35	33	34	≤52	P
	Terminals / termination „N“ (K)	35	31	32	≤52	P
	Accessible external surface (K)	15	15	14	≤52	P
	Switch knob (K)	19	19	19	≤52	P
16.1.4	Fixed and panel mounted socket-outlets with more than one terminal for line and/or neutral connections shall be subjected to an additional temperature rise test.					N/A
	Test current (A), test voltage (V):					N/A
	Terminal screws: torque (Nm):					N/A

BS 1363-2						
Clause	Requirement + Test		Result - Remark			Verdict
	USB battery charging outlets shall be loaded with current (A):		USB load:			N/A
	Parts	T1(K)	T2(K)	T3(K)	Limit (K)	–
	Terminals / terminations „L“ (K)				≤52	N/A
	Terminals / termination „N“ (K)				≤52	N/A
	Accessible external surface (K)				≤52	N/A
	Between each line terminal and between each neutral terminal shall be in effective electrical contact.		Test current:			N/A
	The resistance shall not exceed 0.05Ω.		Measured:			N/A
19.5	Non-rewirable socket outlet shall be so designed that the flexible cord is not subjected to excessive bonding.					P
	The socket outlet is fixed to the oscillating member of the apparatus as specified					P
	The flexible cord is loaded with a weight		2kg			P
	A current is passed through the line and neutral conductors, the earthing conductor connected to neutral conductor		250V~ 3A (for 1,0 mm2/1,25 mm2/1,5mm2 cords)			P
	The number of flexings 10000 at 60 per minute					P
	After 5000 flexings, plugs with cords of circular section are turned through 90o about the cord entry centreline.					P
	During the test, no interruption of the current passing through the conductors and no short- circuited between them.					P
	After the test, the sample shall show no damage (breakage of more than 10% of the total no. of conductor strands).		No break			P
	The insulation have been not pierced.					P
Seq. 4	**General**					–
5	All tests shall be type tests					P

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Clause	Requirement + Test		Result - Remark	Verdict
14.1	The socket-outlet shall be maintained at 70oC for 7 days in the cabinet. After the treatment, the socket-outlet are removed from the cabinet and then show no damage which:			P
	- would lead to non-conformity with this standard			P
	- would impair safety; or			P
	- would prevent further use.			P
15	Insulation resistance and electric strength			–
15.1.2	Insulation resistance of socket-outlets shall be adequate. (500 V d.c. for 1 min)			P
	Parts between	Insulation resistance (MΩ)	Limit (MΩ)	–
	a)Line and neutral	>199	≥5	P
	b)Line/neutral and			–
	1. metal foil covered with the body	>199	≥5	P
	2. earthing	>199	≥5	P
	3. metal part of a cord anchorage		≥5	N/A
	c)Switch contacts - L	>199	≥2	P
	Switch contacts - N		≥2	N/A
15.1.3	Electric strength of socket outlets shall be adequate. (2000V a.c., for 1 min):			P
	Parts between			–
	a) Line and neutral			P
	b) Line/neutral and			–
	1. metal foil covered with the body			P
	2. earthing			P
	3. metal part of a cord anchorage			N/A
	c1) Switch contacts - L			P
	c2) Switch contacts - N			N/A

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Clause	Requirement + Test		Result - Remark			Verdict
	During the test, no breakdown or flashover occurred.					P
15.2	Non-rewireable portable socket-outlet shall withstand with a.c. voltage between an a.c. voltage of 6000V is applied for current-carrying parts and accessible surface.					P
	During the test, no breakdown or flashover occurred.					P
18.1.2	The socket-outlet is subjected to make and break a current in a substantially non-inductive circuit.		Number of cycles: 15000			P
	After the test, the shutter shall be operating satisfactorily.					P
9.1	After the test, it shall not be possible to touch live parts.					P
16.1.2	The fixed socket-outlets and their surroundings shall not attain excessive temperatures in normal use.					N/A
	Test current (A), test voltage (V):					N/A
	Terminal screws: torque (Nm):					N/A
	USB battery charging outlets shall be loaded with current (A):		USB load:			N/A
	Parts	T1(K)	T2(K)	T3(K)	Limit (K)	–
	Terminals / terminations „L“ (K)				≤52	N/A
	Terminals / termination „N“ (K)				≤52	N/A
	Accessible external surface (K)				≤52	N/A
16.1.3	The portable socket-outlets and their surroundings shall not attain excessive temperatures in normal use.					P
	Test current (A), test voltage (V) :		3A, 250V~(for 1,0mm2 cord)			P
	Terminal screws: torque (Nm):					N/A
	USB battery charging outlets shall be loaded with current (A):		USB load:			N/A
	Parts	T1(K)	T2(K)	T3(K)	Limit (K)	–
	Terminals / terminations „L“ (K)	41	40	38	≤52	P
	Terminals / termination „N“ (K)	40	37	37	≤52	P

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Clause	Requirement + Test		Result - Remark			Verdict
	Accessible external surface (K)	19	18	18	≤52	P
	Switch knob (K)	25	25	25	≤52	P
	The multiple portable socket-outlet, the test current being divided equally between a no. of test plug, one inserted into each set of socket contacts in the portable socket-outlet.					P
	For portable socket-outlets with more than 4 outlets, the test shall be performed with 4 test plugs inserted into 4 sets of socket contacts, selected to give the most onerous conditions.The remaining outlets shall have nothing inserted into them.					P
	Test current (A), test voltage (V):		Total: 3A 250V~(for 1,0mm2 cord)			P
	Terminal screws: torque (Nm):					N/A
	Parts	T1(K)	T2(K)	T3(K)	Limit (K)	–
	Terminals / terminations „L“ (K)	40	38	38	≤52	P
	Terminals / termination „N“ (K)	38	37	36	≤52	P
	Accessible external surface (K)	18	17	16	≤52	P
	Switch knob (K)	25	25	25	≤52	P
16.1.4	Fixed and panel mounted socket-outlets with more than one terminal for line and/or neutral connections shall be subjected to an additional temperature rise test.					N/A
	Test current (A), test voltage (V):					N/A
	Terminal screws: torque (Nm):					N/A
	USB battery charging outlets shall be loaded with current (A):		USB load:			N/A
	Parts	T1(K)	T2(K)	T3(K)	Limit (K)	–
	Terminals / terminations „L“ (K)				≤52	N/A

BS 1363-2						
Clause	Requirement + Test			Result - Remark		Verdict
	Terminals / termination „N" (K)				≤52	N/A
	Accessible external surface (K)				≤52	N/A
	Between each line terminal and between each neutral terminal shall be in effective electrical contact.			Test current: 25A		N/A
	The resistance shall not exceed 0.05Ω.			Measured:		N/A
13.19	Portable socket-outlet shall be so designed and constructed they can not be formed to allow access to live parts or to allow separated metal parts to be brought into contact with each other.					P
15.1.2	Insulation resistance of socket-outlets shall be adequate. (500 V d.c. for 1 min)					P
	Parts between	Insulation resistance (MΩ)		Limit (MΩ)		–
	a)Line and neutral	>199		≥5		P
	b)Line/neutral and					–
	1. metal foil covered with the body	>199		≥5		P
	2. earthing	>199		≥5		P
	3. metal part of a cord anchorage	>199		≥5		P
	c)Switch contacts - L	>199		≥2		P
	Switch contacts - N			≥2		N/A
15.1.3	Electric strength of socket outlets shall be adequate. (2000V a.c., for 1 min):					P
	Parts between					–
	a)Line and neutral					P
	b)Line/neutral and					–
	1. metal foil covered with the body					P
	2. earthing					P
	3. metal part of a cord anchorage					N/A

BS 1363-2			
Clause	Requirement + Test	Result - Remark	Verdict
	c1)Switch contacts - L		P
	c2)Switch contacts - N		N/A
15.2	Non-rewireable socket-outlet shall withstand with a.c. voltage between an a.c. voltage of 6000V is applied for current-carrying parts and accessible surface.		P
	During the test, no breakdown or flashover occurred.		P
13.4.1a)	Socket contacts shall have effective electrical contact with a corresponding plug pin. Then the voltage drop between the terminal connecting strap at a point immediately adjacent to socket contact and the corresponding plug pin. Limit ≤40 mV	Measured: L (mV): Max. 22 N (mV): Max. 26	P
10.2	All accessible metal parts of socket-outlets shall be in effective electrical contact with the earthing contact. Then voltage drop across them is measured and the resistance is calculated.	Between earthing pin of the plug inserted and earthing termination	P
10.2.1	a). for metal parts insulated from live parts, by the test described in clause 15.1.3.		N/A
	b). for metal parts connected to an earthing terminal	Test current: 25A;	P
	c). the resistance between the earthing terminal and any other nominated part shall not exceed 0.05Ω	Measured: Max. 0.01Ω	P
13.6	After the test, the earth socket contacts shall retain the gauge for 30s.		P
	Earth socket contacts shall withstand the stresses.		P
13.7	After the test in 13.6, the gauge and test pin shall be no possible to touch current-carrying parts. Conformity shall be checked by the tests of 13.7.1		P
	It shall not be possible to operate a shutter by inserting a 2-pin plug into a 3-pin socket-outlet.		P
	Conformity shall be checked by the tests of 13.7.2		
13.8	The construction of socket-outlets shall be such as to allow for easy withdrawal of the plug.		P

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Clause	Requirement + Test		Result - Remark	Verdict
	Force required to pull the plug out. Limit ≤36 N		<36N	P
Seq. 5	**General**			–
5	All tests shall be type tests			P
14.2	Socket-outlets shall be resistant to humid conditions.			P
	After the test, the samples show no damage.			P
15	Insulation resistance and electric strength			–
15.1.2	Insulation resistance of socket-outlets shall be adequate. (500 V d.c. for 1 min)			P
	Parts between	Insulation resistance (MΩ)	Limit (MΩ)	–
	a)Line and neutral	>199	≥5	P
	b)Line/neutral and			–
	1. metal foil covered with the body	>199	≥5	P
	2. earthing	>199	≥5	P
	3. metal part of a cord anchorage		≥5	N/A
	c)Switch contacts - L	>199	≥2	P
	Switch contacts - N		≥2	N/A
15.1.3	Electric strength of socket outlets shall be adequate. (2000V a.c., for 1 min):			P
	Parts between			–
	a) Line and neutral			P
	b) Line/neutral and			–
	1. metal foil covered with the body			P
	2. earthing			P
	3. metal part of a cord anchorage			N/A
	c1) Switch contacts - L			P
	c2) Switch contacts - N			N/A
	During the test, no breakdow n o flashove r			P

BS 1363-2			
Clause	Requirement + Test	Result - Remark	Verdict
	occurred. r		
15.2	Non-rewireable portable socket-outlet shall withstand with a.c. voltage between an a.c. voltage of 6000V is applied for current-carrying parts and accessible surface.		P
	During the test, no breakdown or flashover occurred		P
18.1.3	The voltage drop across each switched pole. Limit: ≤60 mV	Measured: L (mV): Max. 45 N (mV): -	P
	For switched socket-outlet, the switch is subjected to make and break a current.	Number of cycles: 15000	P
	At the end of the test, the switch shall be capable of making and breaking the rated		P
	current of 13A at 250V.		
	The voltage drop across each switched pole. Limit:≤75 mV	Measured: L (mV): Max. 51 N (mV): -	P
20	Mechanical strength		–
20.1.2	The fuse clips of a fused socket-outlet shall have adequate mechanical strength.		N/A
20.1.3	Fixed socket-outlets are tested with the impact test apparatus.		N/A
	For socket-outlets higher than IPX0, the test is carried out with any lid open.		N/A
	The lid is then closed with additional three blows.		N/A
	After the test, the socket-outlet shall still be in accordance with clauses 8, 9 and 15.		N/A
	For socket-outlets greater than IP20 shall show no damage which impairs its ingress protection.		N/A
20.1.4	Rewirable single and twin portable socket-outlets and non-rewirable single and twin portable socket-outlets are tested in the tumbling barrel.	For two-way outlet	P
	After the test the portable socket-outlet shall show no external damage which might affect the safety.		P

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Clause	Requirement + Test		Result - Remark			Verdict
	Components did not have become detached.					P
	The portable socket-outlet shall satisfy the tests described in 13.4b and clause 15.					P
	The portable socket-outlet shall satisfy the tests described in16.		Test current: 3A 250V~ (for 1,0mm2 cord)			P
	Parts	T1(K)	T2(K)	T3(K)	Limit (K)	–
	Terminals / terminations „L“ (K)	32	35	34	≤52	P
	Terminals / termination „N“ (K)	36	35	32	≤52	P
	Accessible external surface (K)	14	16	15	≤52	P
20.1.5	Rewirable portable socket-outlets with more than two outlets are fitted with 3-core 1.25mm2. Non- rewirable accessories are tested as delivered. The specimen is held so that the cable is horizontal and then it is allowed to fall on to a concrete floor.					P
	After the test, the socket-outlet shall show no external damage which might affect the safety.					P
	Components shall not have become detached.					P
	The portable socket-outlet shall satisfy the tests described in 13.4 b) and clause 15.					P
	The portable socket-outlet shall satisfy the tests described in clause 16.		Test current: 3A 250V~ (for 1,0mm2 cord)			P
	Parts	T1(K)	T2(K)	T3(K)	Limit (K)	–
	Terminals / terminations „L“ (K)	37	37	36	≤52	P
	Terminals / termination „N“ (K)	36	34	34	≤52	P
	Accessible external surface (K)	14	14	14	≤52	P
	Switch knob (K)	24	24	24	≤52	P
Seq. 6	**Materials**					–
5	All tests shall be type tests					P
22	Resistance to heat					–

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Clause	Requirement + Test			Result - Remark	Verdict
22.1.2	The socket-outlet is kept in a heating clamber, to test for resistance to heat. During the test, they shall not undergo any change impairing their further use.			70 ℃, 60 min	P
	After the test, the socket-outlets shall satisfy the tests				–
	- clause 9.2.1)				P
	- clause 15.1.3				P
	- live parts not accessible by probe 11 of BSEN 61032			30 N	P
22.1.3	Portable socket-outlets with external parts of resilient material are subjected to a pressure test of an apparatus.			70 ℃; 60 min	P
	After the test, the socket-outlets shall satisfy the tests				–
	- clause 15.1.2 b) i)				P
	- clause 15.1.3				P
	- accept the gauge (Fig. 11)				P
22.2	Parts of insulating material are subjected to the ball-pressure test at a test temperature. After the test, the diameter of immersion caused by the ball is measured.				P
	Parts	Test temp (℃)	Diameter of impression (mm)	Limit (mm)	–
	Not retain live part (shutter)	75	Max. 1,1	≤2	P
	Retain live part (enclosure / switch rocker)	75	Max. 1,7	≤2	P
Seq. 7	**Materials**				–
5	All tests shall be type tests				P
23.2	The specimen is subjected to glow-wire test. Insulating parts shall be of material resistant to abnormal heat and fire.				P
	Not retain live part			650℃ (shutter)	P
	- no visible flame and no sustained glowing			no visible flame	P
	- flames and extinguish within 30 s after removal of				N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	glow-wire		
	- no ignition of tissue paper		P
	Retain one live part	750℃ (enclosure/switch rocker)	P
	- no visible flame and no sustained glowing	no visible flame	P
	- flames and extinguish within 30 s after removal of glow-wire		N/A
	- no ignition of tissue paper		P
8.2	Annex C: Determination of CTI & PTI	(enclosure/switch rocker)	–
	Insulation materials resistant to tracking	PTI 175V	P
Seq. 8	**Materials**		–
5	All tests shall be type tests		P
24	Resistance to excessive residual stresses and to rusting		–
24.1	The current-carrying parts of copper alloy are subjected to a chemical test.		P
	After the test, there shall be no cracks visible with normal or corrected vision without additional magnification.		P
24.2	The ferrous parts of the socket-outlet are subjected to a chemical test.		P
	After the test, their surface shall show no signs of rust.		P
Seq. 9	**Positive break**		–
5	All tests shall be type tests		P
13.11.2	Actuating member of switch shall not at rest in the off position whilst the switch contacts remain closed		P
	Actuating mechanism remain a position		P
	- giving adequate contact		P
	- adequate separation of contacts		P
13.11.4	Measured force F	Max.9N	P
	Force applied, i.e. 3F	50N	P
	After the test actuating member shall not remain at rest in		P

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Clause	Requirement + Test	Result - Remark	Verdict
	the “OFF” position.		
Seq. 10	**Ingress protection**		–
5	All tests shall be type tests		N/A
13.22	Socket-outlets higher than IP20 shall be so constructed that there are no free openings in their enclosures according to their classification.		N/A
	Conformity is checked by inspection and the tests in accordance with 14.3.		N/A
13.23	Surface mounted socket-outlets higher than IP20 shall maintain IP classification when fitted with conduits or with sheathed cables.		N/A
	Degrees of protection IPX4, IPX5 or IPX6 shall have provisions for opening a drain hole.		N/A
	The drain hole shall be not less than 5mm in diameter, or 20mm2 in area with a width and a length not less than 3mm.	Measured:	N/A
	The drain hole shall be effective in the position.		N/A
	Lid springs, if any, shall be corrosion resistant.		N/A
13.23.1	Conformity shall be checked by inspection, measurement and by the relevant tests of 14.3.		N/A
	Conformity of lid springs shall be checked by inspection and if necessary by the test of 24.2.1.		N/A
13.24	Portable socket-outlets higher than IP20 shall be adequately enclosed when fitted with a flexible cable as for normal use and without a plug in		N/A
	engagement.		
	Lid springs, if any, shall be corrosion resistant.		N/A
13.24.1	Conformity shall be checked by inspection, measurement and by the relevant tests of 14.3.		N/A
	Conformity of lid springs shall be checked by inspection and if necessary by the test of 24.2.1.		N/A
	The enclosure of the socket-outlets shall provide		

BS 1363-2			
Clause	Requirement + Test	Result - Remark	Verdict
14.3	protection in accordance with the IP classification of the socket.		N/A
	Protection against access to hazardous parts		–
	The appropriate test according to BS EN 60529 shall be performed.		N/A
	Protection against harmful effects due to ingress of solid foreign bodies		–
	The appropriate test according to BS EN 60529 shall be performed.		N/A
	Socket-outlets classified as IP5X, the enclosure shall be deemed to be category 2.		N/A
	Protection against harmful effects due to ingress of water		–
	Conformity shall be checked by the appropriate tests of BS EN 60529.		N/A
	Surface mounted socket-outlets shall be fitted with circular cables having a code H07RN-F and a cross-sectional area of 1.5mm2.		N/A
	Socket-outlets having an IP classification with a plug inserted in the socket-outlet shall be tested:		–
	- with a plug fitted with 2-core 0.5mm2 flexible cable.		N/A
	- with a Plug fitted with 3-core 1.5mm2 flexible cable.		N/A
	- without a plug fitted.		N/A
	Socket-outlets having an IP classification with no plug inserted shall be tested for this arrangement.		N/A
	Mounting screws shall be tightened with a torque according to the manufacturer"s instructions or two thirds of the values given in table 6.	Test torque: Nm	N/A
	Socket-outlets with screw glands or membranes are fitted with circular cables having a code H07RN-F and a cross-sectional area of 1.5mm2.		N/A
	Glands shall be tightened with a torque according to the manufacturer"s instructions or two thirds of the values given in table 8.	Test torque: Nm	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Glands shall not be filled with sealing compound or the like.		N/A
	Parts which can be removed without the aid of a tool shall be removed.		N/A
	Completion of the test samples shall withstand an electric strength test in 15.1.3.		N/A
	Inspection shall show that if any water has entered, it shall not:		–
	a) be sufficient to interfere with the correct operation of the equipment or impair safety;		N/A
	b) deposit on parts of insulating material where it could lead to tracking along the creepage distances;		N/A
	c) reach live parts not designed to operate when wet;		N/A
	d) accumulate near the cable end or enter the cable if any.		N/A
	If the drain holes have been opened, any water which enters does not accumulate and that it drains away without doing any harm to the complete assembly.		N/A
24.2.1	Conformity shall be checked by the following test.		N/A
	The sample is degreased in a suitable alkaline degreasing solution or organic solvent; the parts are then immersed for 10 min ±0.5 min in a 10% solution of ammonium chloride in water at a temperature of 20 ℃ ±5 ℃.		N/A
	Without drying but after shaking off any drops, the parts are placed for 10 min ±0.5 min in a box containing air saturated with moisture at a temperature of 20 ℃ ±5 ℃. After the parts have been dried for at least 10 min in a heating cabinet at a temperature of 100 ℃ ±5 ℃, their surfaces shall show no signs of rust.		N/A

1	TABLE: Test of temperature-rise		PASS
	Test voltage (V)..... :	250V	—

Sample number	Test location	dT (℃)	Max. dT (℃)
1	Terminal	26.3	45
	Enclosure	16.4	Ref
2	Terminal	32.8	45
	Enclosure	16.2	Ref
3	Terminal	31.7	45
	Enclosure	15.8	Ref

2	TABLE: dielectric properties						PASS
Utilization category	Normal conditions of use						
	Make		Break		Number and rate of operations for make and break		
AC (V)	I / Ie	U / Ue	I / Ie	U / Ue	Number of operations	Operations per minute	Minimum ON-time ms
AC -140	6	1	1	1	6 050	6	20

3	TABLE: operating distances		PASS
Rated insulation voltage		Dielectric test voltage	Result
DC (V)	AC (V)		
--	250	1500V	No breakdown

4	TABLE: Shock withstand ability		PASS
Pulse shape:	Peak acceleration:	Duration of the pulse:	Result
half-sine	30 gn	11 ms	No deformation

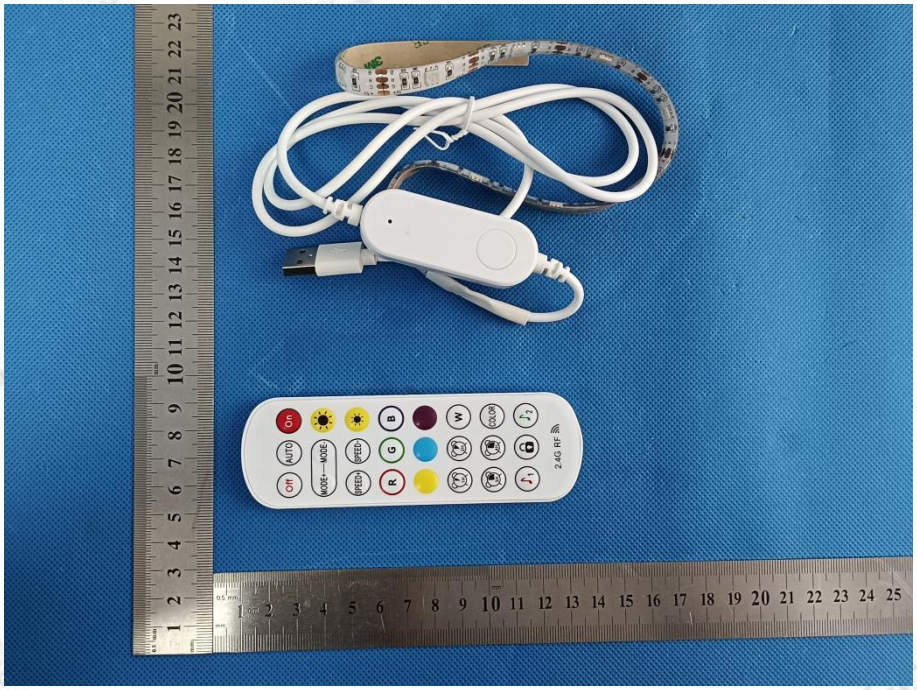
5	TABLE: Vibration withstand ability			PASS
Frequency range	Amplitude:	Sweep cycle duration	Duration of endurance at resonant frequency or at 55 Hz:	Result
10 Hz to 55 Hz	1 mm for inductive, capacitive, non-mechanical magnetic and ultrasonic proximity switches 0,5 mm for photoelectric proximity switches	5 min	30 min in each of the three axes (90 min in all)	No deformation

--- End of Report ---

Photograph(s) of Sample

Detail of:	
☑ front ☐ rear ☐ right side ☐ left side ☐ top ☐ bottom ☐ internal	
Detail of:	
☐ front ☑ rear ☐ right side ☐ left side ☐ top ☐ bottom ☐ internal	

Detail of:	
☑ front ☐ rear ☐ right side ☐ left side ☐ top ☐ bottom ☐ internal	
Detail of:	
☐ front ☑ rear ☐ right side ☐ left side ☐ top ☐ bottom ☐ internal	

Detail of:	
☑ front ☐ rear ☐ right side ☐ left side ☐ top ☐ bottom ☐ internal	
Detail of:	
☑ front ☐ rear ☐ right side ☐ left side ☐ top ☐ bottom ☐ internal	

Detail of:	
☑ front ☐ rear ☐ right side ☐ left side ☐ top ☐ bottom ☐ internal	
Detail of:	
☑ front ☐ rear ☐ right side ☐ left side ☐ top ☐ bottom ☐ internal	
Detail of:	

☑ front ☐ rear ☐ right side ☐ left side ☐ top ☐ bottom ☐ internal	

*** End of Report ***