

TEST REPORT

APPLICANT: GlobTek, Inc.

ADDRESS: 186 Veterans Dr. Northvale, NJ 07647 USA

REPORT
NUMBER: 200302228SHA-001

DATE: 2020-04-07

SAMPLE DESCRIPTION : Detachable integral plug for power supplies

TESTING LABORATORY : Intertek Testing Services Shanghai.

ADDRESS : Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China

MANUFACTURER 1: GlobTek (Suzhou) Co., Ltd.

Building 4, No. 76 JinLing East Road, Suzhou Industrial Park, Suzhou, JiangSu,
215021, China

MANUFACTURER 2: GlobTek, Inc.

186 Veterans Dr. Northvale, NJ 07647 USA

MODEL NO. : Q-UK

Trade mark : GlobTek

RATING. : Input for power supply: 100-240VAC, 50-60Hz, Max. 1.0A

DATE RECEIVED : 2020-03-20

DATE TEST CONDUCTED: 2020-03-20 to 2020-03-31

TEST REQUESTED : Test for compliance with BS 1363-1: 2016 + A1: 2018

TEST METHOD : BS 1363-1: 2016 + A1: 2018

TEST CONCLUSION : PASS

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Model list for power supplies as below:

Model	Model description
GTM41076-06VV-X.X series	“VV” can be any rated output voltage between 5 and 30 Vdc and “X.X” is optional for specifying output voltage deviations, “-X.X” denotes the optional deviation, subtracted or added from standard output voltage in 0.1 volt increments or blank to indicate the no voltage different.
GT-41052-AABB-X.X series	“AA” is the rated output wattage designation, with a maximum value of “15”; “BB” is the standard rated output voltage designation, with values between “05” to “48”; “-X.X” denotes the optional deviation, subtracted or added from standard output voltage in 0.1 volt increments or blank to indicate the no voltage different.
GT-41081-WWVV-X.X series	“WW” is the rated output wattage designation, with a maximum value of “18”; “VV” is the standard rated output voltage designation, with a maximum value of “09”; “-X.X” denotes the optional deviation, subtracted or added from standard output voltage in 0.1 volt increments or blank to indicate the no voltage different.
GT-41135-WWVV-X.X series	“WW” is the rated output wattage designation, with a maximum value of “12”; “VV” is the standard rated output voltage designation, with a maximum value of “48”; “-X.X” denotes the optional deviation, subtracted or added from standard output voltage in 0.1 volt increments or blank to indicate the no voltage different.
GT*43007-WWVV-X.X series	The “*” part can be “M” or “-” or “H” for market identification and not related to safety. “WW” is the rated output wattage designation, with a maximum value of “40.8”; VV is the standard rated output voltage designation, with a maximum value of “24”; “-X.X” denotes the optional deviation, subtracted or added from standard output voltage in 0.1 volt increments or blank to indicate the no voltage different.
GT-41062-AABB-X.X series	“AA” denotes the maximum rated wattage, either “13” or “18”; “BB” denotes the standard maximum rated voltage, which may be 5.0-24.0Vdc as shown in the ratings table, “-X.X” denotes the optional deviation, subtracted or added from standard output voltage in 0.1 volt increments or blank to indicate the no voltage different.
GT*41080-**** series	The 1st “*” part can be “M” or “-” or “H” for market identification and not related to safety. The 2nd “*” part denotes the rated output wattage designation, which can be “01” to “18”, with interval of 1. The 3rd “*” part denotes the standard rated output voltage designation, which can be “07”, “11”, “17.9”, “30”, “38” and “48”.

	Each standard rated output voltage designation corresponds to a transformer model. Each transformer model is identical in insulation construction including clearance and creepage except number of turns per coil. The 4th “*” part is optional, which can be “-0.1” to “-12” with interval of 0.1 to denote voltage deviation or blank to indicate no voltage different. The result by subtracting the deviation value from the standard rated output voltage denotes the rated output voltage, with a range of 5 - 48 volts.
GTM43033-*** series	“M” can be “M” or “-” for market identification and not related to safety. The 1st “*” part denotes the rated output wattage designation, which can be “01” to “06”, with interval of 1. The 2nd “*” part denotes the standard rated output voltage designation, which can be “03”, “04”, “06”, “12”, “15”, “18”, “24”, “36” or “48”. These standard rated output voltage designations correspond to three transformer models. Each transformer model is identical in insulation construction including clearance and creepage except number of turns per coil. The 3rd “*” part is optional, which can be “-0.1” to “-11.9” with interval of 0.1 to denote voltage deviation or blank to indicate no voltage different. The result by subtracting the deviation value from the standard rated output voltage denotes the rated output voltage, with a range of 3 - 48 volts.
GT-46180-WWVV-X.XX*****	“WW” is the standard output wattage, with a maximum value of “18”; “VV” is the standard rated output voltage designation, with a maximum value of “24”; which can be 05,09,12,15,18,24. “-X.XX” is optional, which can be “-0.01” to “-5.99”, denote the output voltage differentiator, subtracting -X.XX volts from standard output voltage VV in 0.01V increments, the actual output voltage rang is 5-24V, blank is to indicate the no voltage different. Each * = 0-9 or A-Z or ()[] - or blank for marketing purposes.
GT*41134***** and GT*96060*****	The 1st “*” part can be ‘M’ or ‘-’ or ‘H’ for market identification and not related to safety. The 2nd “*” part can be “-” or “CC”, “-” = Constant Voltage Model, CC = Constant Current Model. The 3rd “*” denotes the rated output wattage designation, which can be “01” to “06”, with interval of 1. The 4th “*” denotes the standard rated output voltage designation, which can be “03”, “04”, “06”, “12”, “15”, “18”, “24”, “36” or “48”. The 5th “*” is optional deviation, subtracted from standard output voltage, which can be “-0.1” to “-11.9” with interval of 0.1, or blank to indicate no voltage different.

	The 4th “*” and 5th “*” together denote the output voltage, with a range of 3.3 - 48 volts. The 6th “*” =Blank means directly plug in model series, The last * denote any six character = 0-9 or A-Z or () [] or – or blank for marketing purposes.
GT**_*****	The 1st “*” part can be ‘M’ or ‘-’ or ‘H’ for market identification and not related to safety. The 2nd “*” can be 96180. The 3rd “*” denotes the rated output wattage designation, which can be “01” to “36”, with interval of 1. The 4th “*” denotes the standard rated output voltage designation, when the 2nd “*” = 96180 which can be “07”, “11”, “17.9”, “30”, “38”, “48”, “54” or “56”; The 5th “*” is optional deviation, subtracted from standard output voltage, which can be “-0.01” to “-12.0” with interval of 0.01, or blank to indicate no voltage different. The 4th “*” and 5th “*” together denote the output voltage, with a range of 5 - 56 volts. The 6th “*” = blank, it means wall plug in with interchangeable blade. The last * denote any six character = 0-9 or A-Z or () [] or – or blank for marketing purposes.
GT*46402-***	The 1st “*” part can be ‘M’ or ‘-’ or ‘H’ for market identification and not related to safety. The 2nd “*” denotes the rated output wattage designation, with a maximum value of “40”. The 3rd “*” denotes the standard rated output voltage designation, which can be “05” to “48”. The last * denote any six character = 0-9 or A-Z or () [] or - or blank for marketing purposes.

Equipment combined with BS-plug

Supplementary tests on plug portion according to BS1363-1: 2016 + A1: 2018

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
Seq. 1	Inspection, measurement, Gauging and manipulation		—
5	All tests shall be type tests		P
6	Classification		—
	- rewirable		N/A
	- non-rewirable		N/A
	- normal use		P
	- rough use		N/A
	- for electric vehicle (EV) charging		N/A
	- fitted with screw terminals		N/A
	- fitted with clamp type (screwless) terminals		N/A
	- non-rewirable plugs for class II applications		P
7	Marking and labelling		—
7.1	Plugs shall be marked with		—
	a) trade mark		N/A
	b) the number of British standard		N/A
	c) for rough use plugs, followed by 'A'		N/A
	d) terminals identified by symbol		N/A
	e) the word FUSE or FUSED was on the plug		N/A
	f1) Rated current	1.0A, 100-240V~	P
	f2) rated current of fuse link fitted		N/A
	g) length of insulation to be removed		N/A
	h) plugs for electric vehicle charging, followed by 'EV'		N/A
7.1.1	Mode of marking		P
	After rubbing test as specified in the standard, the marking remain legible		N/A

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
7.2	rating of the fuse link fitted		N/A
	- with a tag		N/A
	- on a label		N/A
7.3	The free end of assembly have a label attached		N/A
	a) statement : "The flexible cord of this plug must be connected to a piece of equipment before being plugged into a socket-outlet"		N/A
	b) max. rating of equipment to be fitted		N/A
	c) colour code of core		N/A
	d) statement : "This lead must not be used with equipment requiring the protection of an earth continuity conductor"		N/A
7.4	(Rewirable plugs), adequate instruction provided for the safe connection of the appropriate flexible cords, including		N/A
	clear instructions for the removal of insulation from the conductors.		N/A
	[Plugs incorporating clamp type (screwless) terminals], information indicating that the plug was fitted with		N/A
7.5	Symbols used		—
	- amperes	A	P
	- volts	V	P
	- line		N/A
	- neutral		N/A
	- earth		N/A
	- fuse		N/A

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
11.1	Terminals/Termination shall be provided for effective clamping and securing of conductors connected to them (Refer 11.2 to 11.9)		N/A
11.2	Rewirable plugs shall be provided with terminals:		N/A
	a) screw-type terminal		N/A
	b) clamp type (screless) terminal		N/A
11.3	(Non-rewirable plugs) termination provided		N/A
	Screwed and 'snap-on' terminals shall not be used		N/A
	Crimped connections shall not be made on to pre-soldered flexible cord		N/A
	A terminal or termination shall not be provided on an ISOD		N/A
11.4	Terminals in rewirable plugs permitted the connection, without special preparation,		N/A
	of flexible cords having normal conductor C. S. A. of 0.5mm ² to 1.5mm ²		N/A
11.5	Pillar terminals have clamping screws of sufficient length to extend to the far side		N/A
	The end of the screw is slightly rounded so as to minimize damage to the conductors		N/A
	clearance between each side of the major diameter of the clamping screw and the conductor hole not exceed 0.4mm		N/A
11.6	Terminal screws have a declared outside diameter: ($\geq 3\text{mm}$ or $\geq 6 \text{ B. A.}$)		N/A
11.7	Insulating barriers in plugs shall be an integral part		N/A
	a) the earth conductor coming into contact with parts at line potential		N/A

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
	b) the line conductor coming into contact with the line pin assembly		N/A
11.7.1	The plug is wired as in normal use with 0.5mm ² 3-core flexible cord.		N/A
	All terminal screws/nut are tightened to torque (table 6)		N/A
	A continuity indicating circuit (operating at not less than 40V) is connected		N/A
	No the cord anchorage rendered inoperative		N/A
	The flexible cord is then withdrawn until the earth cord is pulled free of the plug		N/A
	The test is made six times		N/A
	No contact between parts at line potential and the earth conductor		N/A
	Or between the line conductor and line pin assembly, thus bypassing the fuse link		N/A
11.8	Rewirable plugs prevented strain to the earth connection before the line and or neutral connection		N/A
11.9	In rewirable plugs, terminals located or shielded that should a strand of a flexible conductor escape		N/A
	A length of insulation is removed having a nominal C. S. A. of 1.5mm ² .		N/A
	The free strand is bent, without tearing the insulation back, in every possible direction		N/A
11.9.1	The free strand of a conductor connected to a live terminal		N/A
	a) not touch any metal part so as to by-pass the fuse link		N/A

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
	b) not touch any metal part which is accessible		N/A
	c) not reduce creepage distance and clearance to accessible surfaces to less than 1.3mm		N/A
	The free strand of a conductor connected to an earthing terminal did not touch any live parts.		N/A
9.1	Live parts of plugs shall not be accessible when the plugs were wired as in normal use		N/A
	Removal of detachable fuse carriers shall not result in live parts becoming accessible when the plug is in full engagement with the socket outlet or the socket outlet portion of an adaptor.		N/A
	Test probe is applied with a force 5N with rewirable plugs fitted with a 2-core flexible cord		N/A
	non-rewirable plugs as supplied		N/A
	Detachable fuse carriers shall be removed before this test is undertaken.		N/A
9.2	Plugs constructed so as to protect the user against accidental contact with live parts during insertion or withdrawal of plugs		P
9.4	A plug supplied with a flexible cable shall have the free end encapsulated in insulating material.		N/A
12.1	The disposition of the pins shall be as those shown in the standard. (fig. 4a)		P
12.2	The outline of the plug not exceed the dimensions shown in Fig 4a) for a distance of not less than 6.35mm from the engagement surface		P
	Pin disposition, length and body outline shall be checked by use of the gauge shown.		P

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
	Pin and sleeve dimensions shall be checked by measurement		P
	for non-solid pins and ISOD where the chamfers general fall within the profiles of fig. 4 and their adequacy shall be checked by 12.9.5		N/A
12.2.1	The line & neutral pin shall be entered into the gauge for a distance not exceeding 2mm.		P
	The plug shall enter the gauge fully when a force of 10N or less is applied.		P
	For plug with ISODs, where alignment cannot be maintained, the test in 13.8 of BS1363-2 shall be applied, the maximum withdrawal force shall not exceed 36N.		N/A
12.3	Part of pins from the periphery of the plug measured along the engagement surface should be not less than 9.5mm	Measured: Min.9.60 mm	P
12.4	A fuse link conforming to BS1362 shall be provided within the body of the plug.		P
	The fuse link shall be mounted in appropriate contacts only between the line terminal or termination		P
	The corresponding plug pin in such a way that it cannot be displaced when the plug is in use		P
	the fuse link can not be left in inadequate contact		P
	impossible to replace the fuse link in a plug (unless the plug was completely withdrawn)		P
	non-rewirable plugs, the current rating of the fuse link shall not exceed the value given		N/A

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
12.5	non-rewirable plugs, where the fuse link is retained by means of a fuse carrier		N/A
	a) non-detachable during normal replacement of the fuse link		N/A
	b) readily identifiable in relation to its plug by means of marking		N/A
12.9	Plug pins shall be constructed of brass		P
12.9.1	plug pins shall be smooth and free from burrs or sharp edges		P
12.9.2	surfaces of the non-solid plug pins which are visible shall be free of apertures.		N/A
12.9.3	All seams and joints of non-solid plug pins shall be closed over their entire length		N/A
12.9.3	Test with a probe of 0,2mm diameter of steel		N/A
12.9.6	Plug pins and ISOD shall have adequate mechanical strength		P
	Each pin is twisted about its longitudinal axis by applying a torque of 1N for 60s		P
	After the test, the plug shall fit the gauge (fig. 5)		P
	The test is then repeated with each plug pin being twisted in the opposite direction		P
	After this second test, the plug shall fit the gauge		P
	In each case, the gauge is used in the manner as described in 12.2.1.		P
12.13	Suitable means shall be provided for withdrawing the plug without subjecting cord to stress		P
12.14	Non-rewirable plugs shall be fitted with flexible cords in accordance with 19.4.		N/A

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
12.15	Conductive component parts of plugs can not be displaced so as to affect adversely the safety or proper operation of the plug.		P
12.16	Line and neutral plug pins shall be fitted with insulating sleeves		P
	The dimensions of the pin and sleeve as fig 4a)		P
	Sleeves shall not be fitted to any earthing plug pin		P
12.19	Electronic components incorporated in plugs shall conform to Annex G		N/A
19.2	Cord anchorage in rewirable plugs shall anchor the cord securely to the plug		N/A
	a) not be released from the outside without the use of a tool		N/A
	b) not possible to touch cord anchorage screws		N/A
	c) the cord is not clamped by a metal part bearing directly onto the flexible cord		N/A
	d) at least one part of the anchorage is securely fixed to the plug		N/A
	e) clamping the cord does not require the use of a special purpose tool		N/A
	f) not distort the engagement face of the plug when tightening the cord anchorage screws		N/A
	g) the cover may be correctly fitted without damage		N/A
19.3	Screws when clamping the flexible cable shall not serve to fix other components		N/A

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
19.4	Non-rewirable plugs shall be fitted with flexible cables conforming to BS EN 50525 or cables conforming to the specification appropriate to equipment to which they may be fitted		N/A
	Connections is listed as follows (according to cores of conductors)		N/A
19.6	The cord entry to rewirable plugs 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		N/A
8.1	Clearances		—
	Default pollution degree (Width X)	2 (1.0mm)	P
	Pollution degree declared by manufacturer (Width X)		N/A
	Default rated impluse voltage (overvoltage category)	4000V (III)	P
	Declared rated impluse voltage (overvoltage category)		N/A
8.1.1	Clearances for basic insulation	Min.3.6mm	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		N/A
8.1.5	The minimum contact gap shall be 1.2 mm in the open position, except for electronic switches covered by Annex G.4.		N/A
8.2	Creepage distances		—
	Default pollution degree (Width X)	2 (1.0mm)	P

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
	Pollution degree declared by manufacturer (Width X)		N/A
	Min. CTI/PTI (material group)	100 (IIlb)	N/A
	Declared material group	I/II/IIIa	P
	Corresponding CTI/PTI of declared material group	$175 \leq \text{CTI/PTI} < 400$	P
8.2.1	Creepage distances for basic insulation	Min.3.6mm	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		N/A
8.3	Solid insulation		—
	No minimum thickness for solid insulation		P
	Solid insulation for basic, functional, supplementary and reinforced insulation shall be capable of withstanding electrical stresses which can occur in normal use.		P
8.3.1	Conformity shall be checked by tests with 15.1.3 using the values given in table 5.		P
	Functional solid insulation	1500V	P
	Basic solid insulation	1500V	P
	Supplementary solid insulation	~~1500V~~	N/A
	Reinforced solid insulation:	~~3000V~~	N/A
	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

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
21	Screws, current-carrying parts and connections		—
21.1	Screwed connections, electrical and otherwise, shall withstand the mechanical stresses		N/A
	Screws directly transmitting electrical contact pressure shall screw into metal		N/A
	Screws shall not be of metal which was soft and liable to creep		N/A
	Screws shall not be of insulating material if replacement by a metal screw would affect the safety		N/A
	Contact pressure in electrical connections within the plug shall not be transmitted through insulating material		N/A
21.1.1	For screws and nuts which are intended to be tightened during installation, or use, or during replacement of the fuse link		N/A
	When testing terminal screws and nuts a 1.5mm ² stranded conductor is placed in the terminal of plugs		N/A
	- 10 times for thread of insulating material :		N/A
	- 5 times for others :		N/A
	During the test, no damage impairing the further use of the screwed connection		N/A
	For clamp type (screwless) terminals, refer to clause 25		N/A
21.2	Thread-cutting and thread-forming screws shall not be used for the making of current-carrying or earth continuity connections.		N/A
	Screws shall be locked against loosening, if the connection carried current.		N/A

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
21.3	Current-carrying parts shall be of brass		N/A
	earthing plug pins shall be of brass		N/A
Seq. 2	General		—
5	All tests shall be type tests		P
9.3	Resilient covers of plugs shall be so designed and constructed that no risk as a result of undue pressure.		P
9.3.1	The design of the apparatus shall be steadied force of 240^{+5}_{-10} N.	Test force: 236N	P
	A test voltage of 2000V±60V 50Hz is applied for 60^{+5}_0 s between all live parts bonded together and the earthed test pressure block.	Test voltage: 2000V	P
	During the test no flashover or breakdown shall occur.		P
	After the test, it shall not be possible to touch live parts.		P
19.1	The entry of the flexible cord shall be between the current-carrying pins at the side of the plug opposite the earth pin.		N/A
	For rewirable plugs, provision shall be made for the entry		N/A
	And effective clamping without bending of 2-core and 3-core flexible cords for rewirable plugs		N/A
	Having nominal conductor C. S. A. not exceeding 1.5mm ² .		N/A
	non-rewirable plugs, adequate retention of the flexible cord with which the plug is supplied		N/A
	The cord anchorage contain the sheath		N/A

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
	a) of insulating material		N/A
	b) provided with an insulating lining fixed to the metal parts		N/A
	Method such as tying the flexible cord into a knot or ends with string shall not be used		N/A
19.1.1	a) Rewirable plugs are fitted with a 2-core flexible cord having a C. S. A. of 0.5mm ²		N/A
	the clamping screws, if any, being tightened to a torque $2/3 \times$ from table 6		N/A
	not possible to push the cord into the plug		N/A
	The flexible cord is then subjected 25 times to the pull		N/A
	Immediately afterwards, the flexible cord is subjected for 60s to the appropriate torque		N/A
	The tests is then repeated but with the plug fitted with a 3-core cord C. S. A. of 1.5mm ²		N/A
	b) non-rewirable plug, the test is carried out with the cord with which it is supplied		N/A
	In the case of two single core cables, the load and torque shall be shared equally between the two cables		N/A
	using the appropriate load and torque		N/A
	During the test, the insulation of the flexible cord shall not be damaged.		N/A
	A voltage of 3750V is applied for 60s between the conductors. No breakdown or flash over is occurred.		N/A
	c) After the tests, the displacement of flexible cord shall not displace by more than 2mm		N/A
	CSA (mm ²)	Displacement (mm)	Limit (mm)
			—

BS1363-1				
Clause	Requirement + Test		Result - Remark	Verdict
	0.5		≤ 2	N/A
	1.5		≤ 2	N/A
	(supplied)		≤ 2	N/A
12.12	The degree of flexibility of mounting of the plug pins or the angular movement of the pins in the base shall be not greater than 3°30'		Max. 2°30'	P
	After all tests have been completed, the plug shall fit the gauge shown in fig.5			P
12.17.2	A 50Hz voltage of substantially sinusoidal waveform is applied between each L and N pin and a thin metal strip wrapped around the base of the plug pin sleeve adjacent to the base			P
12.17.3	The test apparatus for resistance to abrasion (see fig.9)			P
	The plug is moved 10,000 times in each direction (20,000 movements)			P
	The test shall be made on one pin of each plug			P
	After the test, the sleeve shall not show damage which might impair the further use of the plug			P
	The sleeve shall not have been penetrated or creased			P
12.17.2	A 50Hz voltage of substantially sinusoidal waveform is applied between each L and N pin and a thin metal strip wrapped around the base of the plug pin sleeve adjacent to the base			P
Seq. 3	General			—
5	All tests shall be type tests			P
14.2	Plugs shall be proof against humid conditions which may occur in normal use			P

BS1363-1				
Clause	Requirement + Test		Result - Remark	Verdict
	Rewirable plugs are fitted with 1000mm cord			N/A
	Non-rewirable plugs are tested with 1000mm of the flexible cord supplied			N/A
	The sample is brought to a temperature and relative humidity maintained		22 °C, 93%RH	P
	The sample is kept in the cabinet		48h	P
	No any damage to the sample which would impair its use or safety			P
15	Insulation resistance and electric strength			P
15.1	Insulation resistance and electric strength shall be adequate, checked by 15.1.2 and 15.1.3			P
15.1.2	The insulation resistance is measured using a d.c. voltage of 500V			P
	Parts between	Measured (MΩ)	Limit (MΩ)	—
	a) line and neutral	100	≥ 5	P
	b) line and neutral connected and		≥ 5	—
	- the entire accessible external surface	100	≥ 5	P
	- the earthing terminal / termination	100	≥ 5	P
	- any metal part of a cord anchorage	100	≥ 5	P
	c) each switched pole terminal of a switched plug and corresponding plug pin, with the switch contacts open.		≥ 2	N/A
15.1.3	A voltage of substantially sinusoidal waveform is applied as 15.1.2.		50Hz 2000V	P
	Parts between			—
	a) line and neutral			P
	b) line and neutral connected and			—
	- the entire accessible external surface			P

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
	- the earthing terminal / termination		P
	- any metal part of a cord anchorage		P
	c) each switched pole terminal of a switched plug and corresponding plug pin, with the switch contacts open.		N/A
15.2	Non-rewireable plugs shall withstand a high voltage test, an a.c. voltage of 6000V is applied for current-carrying parts and accessible surface.		N/A
	During the test, no breakdown or flashover occurred.		N/A
12.8	(For non-rewirable plugs) means shall be provided to prevent loose strand of a conductor or current-carrying parts from reducing the minimum insulation thickness requirements		N/A
	A test voltage is applied		N/A
	between all current-carrying part connected together and a conducting electrode in contact with the entire outer accessible surface		N/A
19.5	Non-rewirable plugs - flexible cord is not subjected to excessive bending where it enters		N/A
	The plug is fixed to the oscillating member of the apparatus as specified		N/A
	Samples with flat flexible cords are mounted so that the major axis of the section is parallel to the axis of oscillation.		N/A
	The flexible cord is loaded with a weight		N/A
	In case of two single core cables the load shall be shared equally between the two cables		N/A
	A current is passed through the line and neutral conductors		N/A

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
	The other test conditions shall be as those specified		N/A
	The number of flexings		N/A
	After 5000 flexings, plugs with cords of circular section are turned through 90° about the cord entry centerline.		N/A
	During the test, no interruption of the current passing through the conductors and no short-circuited between them.		N/A
	After the test, the sample shall show no damage (breakage of more than 10% of the total no. of conductor strands).		N/A
	The insulation have not pierced.		N/A
12.17.4	A set of three specimen pins is tested by means of the apparatus as shown in fig. 10.		P
	The test is made on one pin of each plug not used for the test described in 12.17.3.		P
	The apparatus is loaded so that the blade exerted a force on the specimen.	Required load: 2.4N-2.5N Measured load: 2,46N	P
	The apparatus is placed in a heating cabinet	200°C, 120 min	P
	The thickness of the insulation remaining at the point impression is measured and shall not have been reduced by more than 50%.	Original: 0,80mm; Remain: 0,62mm.	P
Seq. 4	General		—
5	All tests shall be type tests		P
14.1	Plugs shall be resistant to ageing		P
	test in a heating cabinet with temperature of the cabinet is kept 70°C	168h	P
	no crack visible		P
	not become sticky or greasy		P

BS1363-1				
Clause	Requirement + Test		Result - Remark	Verdict
15.1	Insulation resistance and electric strength shall be adequate, checked by 15.1.2 and 15.1.3			P
15.1.2	The insulation resistance is measured using a d.c. voltage of 500V			P
	Parts between	Measured (MΩ)	Limit (MΩ)	—
	a) line and neutral	100	≥ 5	P
	b) line and neutral connected and		≥ 5	—
	- the entire accessible external surface	100	≥ 5	P
	- the earthing terminal / termination	100	≥ 5	P
	- any metal part of a cord anchorage	100	≥ 5	P
	c) each switched pole terminal of a switched plug and corresponding plug pin, with the switch contacts open.	-	≥ 2	N/A
15.1.3	A voltage of substantially sinusoidal waveform is applied as 15.1.2.		50Hz 2000V	P
	Parts between			—
	a) line and neutral			P
	b) line and neutral connected and			—
	- the entire accessible external surface			P
	- the earthing terminal / termination			P
	- any metal part of a cord anchorage			P
	c) each switched pole terminal of a switched plug and corresponding plug pin, with the switch contacts open.			N/A
16	Temperature rise			—
16.1	Plugs and their surroundings shall not attain excessive temperatures in normal use.			P
16.1.1	The tests shall be carried out at rated voltage.		250V	P

BS1363-1						
Clause	Requirement + Test			Result - Remark		Verdict
	The terminal screws shall be tightened with a torque equal to (2/3 of the value in table 6)					N/A
	Cord according to manufacturer's instruction					N/A
16.1.2	Rewirable plugs are tested with 1000mm of PVC insulated flexible cord.					N/A
	non-rewirable plugs are tested with 1000mm of cord as supplied					N/A
	The plug is fitted with a calibrated link.					N/A
	The clamp screws are tightened to a torque of 0.8Nm and 1.2Nm			1.0		N/A
	The test current through a load connected for a continuous period of 4h - 8h			14A		P
	Parts	T1(K)	T2(K)	T3(K)	Limit (K)	—
	Live pin spacer (K)	31	30	32	≤ 37	P
	Neutral pin spacer (K)	28	26	27	≤ 37	P
	Accessible external surface (K)	22	20	21	≤ 52	P
17	Breaking capacity of switches incorporated in fused plugs					—
17.1	The breaking capacity of switches incorporated in plugs shall be adequate					N/A
17.1.1	The switch shall make and break a current of 1.25 x rated current ± 0.4A					N/A
	The test voltage is at 275V ± 5V					N/A
	10 times in succession at intervals of approximately 30s					N/A
	After the test the plug shall be capable of passing the subsequent tests detailed in Table 1 for the appropriate test sample					N/A

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
12.18.1	Following the test described in clause 17, the circuit is broken a further 10 times		N/A
	Each time moving the actuating member by hand over a period of approximately 2s		N/A
	The actuating member shall be released after approximately 2s and any arcing shall cease		N/A
18	Normal operation of switches		—
18.1	Switches incorporated in plugs shall withstand, without excessive wear or other harmful effects, the electrical and mechanical stresses occurring in normal use.		N/A
18.1.1	The voltage drop across each switched pole. Limit ≤ 60 mV		N/A
	For switched plug, the switch was subjected to make and break a current of 13A at 250V 15000 times		N/A
	At the end of the test, the switch shall be capable of making and breaking the rated current of 13A at 250V.		N/A
	The voltage drop across each switched pole. Limit ≤ 75 mV		N/A
	The switch shall also pass the tests given in clause 15, test voltage being reduced by 25%.		N/A
20	Mechanical strength		—
20.1	Plugs shall have adequate mechanical strength (refer 20.1.2 and 20.1.3)		P
20.1.2	A solid link of stainless steel is inserted and withdrawn from the fuse clips of the plug 20 times		N/A
	A standard fuse link conforming to BS1362:1973 is then fitted		N/A

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
20.1.3	Rewirable plugs are fitted with PVC flexible cord as specified		N/A
	the terminals are tightened until the torque (from table 6).		N/A
	the cover screws are tightened until the torque (from table 6).		N/A
	Non-rewirable plugs are tested as delivered		N/A
	Rewirable plugs with screwless terminals		N/A
	The flexible cords attached to plugs are cut to a length of 150mm		N/A
	Plugs are tested in the tumbling barrel		P
	Only one plug is tested at a time		P
	a) rewirable plugs marked BS 1363		N/A
	b) non-rewirable plugs marked BS 1363		N/A
	c) plugs marked BS 1363/A	5000 drops	P
	d) plugs marked BS 1363/EV		N/A
	After the test, the plug shall not show external damage which might affect the safety		P
	component shall not become detached		P
	The earthing pin terminal screws, if any, shall make satisfactory contact		N/A
16.1	Plugs and their surroundings shall not attain excessive temperatures in normal use.		P
16.1.1	The tests shall be carried out at rated voltage.		P
	Attached flexible cord is retained without disturbing the terminal connection.		N/A
	Cord according to manufacturer's instruction		N/A

BS1363-1						
Clause	Requirement + Test			Result - Remark		Verdict
16.1.2	Rewirable plugs are tested with 1000mm of PVC insulated flexible cord.					N/A
	non-rewirable plugs are tested with 1000mm of cord as supplied					N/A
	The plug is fitted with a calibrated link.					N/A
	The clamp screws are tightened to a torque of 0.8Nm and 1.2Nm					N/A
	The test current through a load connected for a continuous period of 4h - 8h					N/A
	Parts	T1(K)	T2(K)	T3(K)	Limit (K)	—
	Live pin spacer (K)				≤ 37	N/A
	Neutral pin spacer (K)				≤ 37	N/A
	Terminals / terminations 'L' (K)				≤ 52	N/A
	Terminals / termination 'N' (K)				≤ 52	N/A
	Accessible external surface (K)				≤ 52	N/A
12.2.1	Conforming to the gauge in accordance with fig.5 but with a force shall not exceeding 20N					N/A
12.7	Plugs shall be constructed that they can not readily be deformed to allow access to live parts					N/A
	test probe II is applied to the accessible surface of the plug with a force of 30N					N/A
	not possible to touch live parts					N/A
10.1	Accessible metal parts of plugs shall be in effective electrical contact with the earthing plug pin					N/A
	The earth pin shall be provided with a terminal or termination					N/A

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
	Metal parts having an accessible surface coating of lacquer or enamel shall be tested as accessible metal parts.		N/A
10.1.1	a current of 25A, derived from an a.c. source having a non-loaded voltage not exceeding 12V		N/A
	1) non-rewirable plugs, length of 150mm		N/A
	2) rewirable plugs, 1.25mm ² flexible cord		N/A
	i) for screw type terminals, the clamping screw was tightened with a torque equal to $2/3 \times$ value from table 6		N/A
	ii) for screwless terminals, according to manufacturer's instruction		N/A
	The resistance between the earthing terminal or termination and any other nominated metal part Limit : $\leq 0.05\Omega$		N/A
11.12	Clamp type (screwless) terminals		N/A
12.10	The terminals of earthing and neutral plug pins shall be formed as one piece with / permanently connected to the pin		N/A
	These connections shall not be made by means of screws		N/A
	The contact for the fuse link connected to the line terminal or termination shall be formed in one piece with the fixed part of the terminal or termination / permanently connected to it		N/A
	The other contact for the fuse link shall be similarly connected to the corresponding plug pin		N/A
	These connections shall not be made by means of screws		N/A

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
	The line terminal / termination provided for effectively clamping and securing conductors connected to it (Refer also the tests in 20.1.3 and clause 16)		N/A
12.6	The base and cover of non-rewirable plugs shall be permanently attached to each other		N/A
	The base and cover of rewirable plugs shall be firmly secured to each other		N/A
	It shall not be possible to remove the cover unless the plug is completely withdrawn from the socket-outlet		N/A
	Fixing screws shall be captive		N/A
12.6.1	a) Each plug cover fixing screw has a pull of 60N exerted upon it for 60s whilst the surface temperature of the product was 70°C		N/A
	At the end of the test, screw thread shall be serviceable		N/A
	And insert shall not have moved to such an extent that correct assembly of the plug is prevented		N/A
	b) For rewirable plugs having covers fixed by means other than screws and for non-moulded-on, non-rewirable plugs		N/A
	Not possible to touch live parts by test pin		N/A
	c) non-moulded-on, non-rewirable plugs are tested with cord supplied		N/A
	Plug cover shall be in place and show no damage		N/A
	If the cord becomes detached during this test but the plug cover remains in place and shows no damage		N/A
12.11	Plugs when fully assembled, the pins are adequately retained in position		P

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Clause	Requirement + Test	Result - Remark	Verdict
	After the tests in clause 20, each pin is subjected for 60s to a pull of 100N without jerks in the direction of the major axis.		P
	The plug is mounted using the steel plate shown in fig.7. The apparatus is placed within an oven with test temperature of 70°C		P
	After the test, the plug pin shall fit the gauge shown in fig.5		P
Seq. 5	General		—
5	All tests shall be type tests		P
12.9.4	Plug pins shall have adequate strength to withstand the stresses of normal use.		P
12.9.4.1	For solid pins, apply a force of 1100N to the movable anvil and was strained at a rate not exceeding 10mm/min.		P
	The test shall be made separately on the line, neutral of plug pins		P
	After this test the plug shall fit the gauge to fig. 5 when used in the manner described in 12.2.1.		P
12.9.4.2	For non-solid pins		N/A
	a) After applied the force 800N on the movable anvil to the major axis of pins, the plug shall conform to 12.9.2, 12.9.3 and shall fit the gauge		N/A
	b) The applied force when the movement of the anvil from the datum point reaches 1,5min shall be not less than 1100N		N/A
Seq. 6	Additional test for rewirable plugs with clamp type (screwless) terminals		N/A

BS1363-1						
Clause	Requirement + Test			Result - Remark		Verdict
Seq.7	Additional test for rewirable plugs with clamp type (screwless) terminals					N/A
Seq. 8a	a) Additional tests for plugs with nickel plated brass pins, non-solid pins and/or ISOD					—
5	All tests shall be type tests					N/A
12.9.5	plug with nickel plated brass pins, non-solid pins and/or ISOD shall not cause excess wear to sockets or shutter of socket-outlets					N/A
12.9.5.1	For nickel plated brass pins and non-solid pins, after the test, the shutter shall be operating satisfactorily and socket outlet shall be complied with 9.1, 16, 15, 13.4.1a, 10.2, 13.6, 13.7, 13.8 of BS1363-2.					N/A
	no opening in the surface of pins					N/A
(9.1)	Socket-outlets shall be so designed, live part are not accessible.					N/A
(9.1.1)	A test pin is applied, it shall not be possible to touch live parts.					N/A
(16)	Temperature rise					—
	The fixed socket-outlets and their surroundings shall not attain excessive temperatures in normal use.					N/A
	The portable 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
	Parts	Socket 1	Socket 2	Socket 3	Limit (K)	—

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Clause	Requirement + Test			Result - Remark		Verdict
	Terminals / terminations 'L' (K)				≤ 52	N/A
	Terminals / termination 'N' (K)				≤ 52	N/A
	Accessible external surface (K)				≤ 52	N/A
(15)	Insulation resistance and electric strength					—
(15.1.2)	Insulation resistance of socket-outlets shall be adequate. (500 V d.c. for 1 min)					N/A
	a) Parts between		Insulation resistance (MΩ)		Limit (MΩ)	—
	b) Line and neutral		199		≥5	N/A
	Line/neutral and					—
	1. metal foil covered with the body		199		≥5	N/A
	2. earthing		199		≥5	N/A
	3. metal part of a cord anchorage		199		≥5	N/A
	c) Switch contacts - L				≥2	N/A
	Switch contacts - N				≥2	N/A
(15.1.3)	Electric strength of socket outlets shall be adequate. (2000V a.c., for 1 min):					N/A
	Parts between					—
	a) Line and neutral					N/A
	b) Line/neutral and					N/A
	1. metal foil covered with the body					N/A
	2. earthing					N/A
	3. metal part of a cord anchorage					N/A
	c1) Switch contacts - L					N/A
	c2) Switch contacts - N					N/A
	During the test, no breakdown or flashover occurred.					N/A
(15.2)	Non-rewireable portable socket-outlet shall withstand with a.c. voltage between an a.c. voltage					N/A

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
	of 6000V is applied for current-carrying parts and accessible surface.		
	During the test, no breakdown or flashover occurred.		N/A
(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 ≤ 37.5 mV		N/A
(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.		N/A
(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		N/A
	c). the resistance between the earthing terminal and any other nominated part shall not exceed 0.05Ω		N/A
(13.6)	After the test, the earth socket contacts shall retain the gauge for 30s.		N/A
	Earth socket contacts shall withstand the stresses.		N/A
(13.7)	After the test in 13.6, the gauge and test pin shall be no possible to touch current-carrying parts. Compliance shall be checked by the tests of 13.7.1		N/A
	It shall not be possible to operate a shutter by inserting a 2-pin plug into a 3-pin socket-outlet. Compliance shall be checked by the tests of 13.7.2		N/A
(13.8)	The construction of socket-outlets shall be such as		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	to allow for easy withdrawal of the plug.		
	Force required to pull the plug out. Limit ≤ 36 N		N/A
12.9.5.2	For ISOD, after the test, the shutter shall be operating satisfactorily and socket contact shall be safely shielded		N/A
Seq. 8b	b) Additional tests for plugs fitted with an ISOD		—
5	All tests shall be type tests		P
12.9.4.3	For ISOD, After applied the force 400N on the movable anvil to the major axis of ISOD, the plug shall fit the fig.5 in 12.2.1 with a force not exceeding 20N		P
Seq. 9	Material		—
5	All tests shall be type tests		P
22	Resistance to heat		—
22.1	Plugs shall be resistant to heat.		P
22.1.2	Plug samples are kept for 60 min in a heating cabinet maintained at 70°C.		P
	During the test, they shall not undergo any change impairing their further use		P
	and the sealing compound shall not flow to such an extent that live parts are exposed.		N/A
	After the test, the plug shall still satisfy the tests described in 9.2.1 and 15.1.3.		P
22.1.3	Plugs with external parts of resilient material, e.g. thermoplastics, rubber, are subjected to a pressure test		P

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Clause	Requirement + Test			Result - Remark	Verdict
	the test being made in a heating cabinet at a temperature of 70°C				P
	The force applied through and including the effect of the jaws is 20N.				P
	After 60 min, the jaws are removed and the plugs shall satisfy the test described in 15.1.2 b1 and 15.1.3				P
	and shall fit the gauge given in fig. 5 when used in a manner as described in 12.2.1				P
22.2	Parts of insulating material shall be sufficiently resistant to heat having particular regard for their location and function in the complete plug.				P
22.2.1	Other insulating material subjected to the ball pressure test				P
	The test is made in a heating cabinet maintained at a temperature of 75°C				P
	The surface of the part to be tested is placed such that a force of 20N is applied				P
	Parts	Test temp (°C)	Diameter of impression (mm)	Limit (mm)	—
	ISOD	75	Max.0.8	≤2	P
	Retain live part (Plug holder & enclosure)	75	Max.0,9	≤2	P
Seq. 10	Material				—
5	All tests shall be type tests				P
23.2	Glow-wire test				P

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Clause	Requirement + Test	Result - Remark	Verdict
	necessary to retain live parts in position including ISOD	750 °C (ISOD & plug holder)	P
	a) no visible flame and no sustained glowing		P
	b) flame and glowing extinguish within 30 s after removal of glow-wire		N/A
	- no ignition of the tissue paper		P
	not necessary to retain live parts in position	650 °C (Enclosure)	P
	a) no visible flame and no sustained glowing		P
	b) flame and glowing extinguish within 30 s after removal of glow-wire		N/A
	- no ignition of the tissue paper		P
8.2	Annex C: Determination of CTI & PTI		—
	Insulation materials resistant to tracking	PTI 175 (enclosure, plug holder & ISOD)	P
Seq. 11	Material		—
5	All tests shall be type tests		P
24	Resistance to excessive residual stress and to rusting		—
24.1	Press-formed or similar current-carrying parts of copper alloy containing less than 80% of copper shall be resistant to failure in use due to stress corrosion.		P
24.1.1	The sample is immersed in an aqueous solution of mercurous nitrate containing 10g of Hg ₂ (NO ₃) ₂ and 10ml of HNO ₃ (relative density 1.42) per litre of solution for 30 min at a temperature of 20°C.		P
	no cracks visible		P
24.2	Ferrous parts shall be adequately protected against rusting.		P

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Clause	Requirement + Test	Result - Remark	Verdict
24.2.1	The sample is immersed for 10 min. in a 10% solution of ammonium chloride in water at a temperature of 20°C		P
	After the parts have been dried for at least 10 min. in a heating cabinet at a temperature of 100°C		P
	their surfaces shall not show signs of rust.		P
Seq. 12	Positive break		—
5	All tests shall be type test		N/A
12.18.2	Actuating member of switch not at rest in the off position		N/A
	- actuating mechanism remain a position		N/A
	- giving adequate contact		N/A
	- adequate separation of contacts		N/A
12.18.3	Measured force F		N/A
	Force applied, i.e. 3F		N/A
	After the test actuating member shall not remained at ON position		N/A
Seq. 13	Overloads		—
5	All tests shall be type test		P
14.1	Plugs shall be resistant to ageing		P
	test in a heating cabinet with temperature of the cabinet is kept 70°C		P
	no crack visible		P
	not become sticky or greasy		P
26.1	Plugs shall withstand overload currents		P
26.1.1	Conformity shall be checked by the tests given in 26.1.2 to 26.1.4		P
26.1.2	The plug shall be fitted with a fuse link conforming to BS 1362		P
	Test current of 1,6 times the rating of the fuse		P

BS1363-1			
Clause	Requirement + Test	Result - Remark	Verdict
	60 min or until the fuse operates (if less than 60 min)	Test current: 1.6A	P
	Immediately afterwards, the check specified in 26.1.4 shall be made	60 min	P
26.1.3	The plug shall be fitted with a fuse link conforming to BS 1362		P
	Test current of 1,9 times the rating of the fuse		P
	30 min or until the fuse operates (if less than 30 min)	Test current: 1.9A	P
	Immediately afterwards, the check specified in 26.1.4 shall be made	30 min	P
26.1.4	Each plug shall be checked for Conformity with 9.1, 12.6.1a),12.6.1b) and 12.11.1 except that the test shall be performed at ambient temperature.		P
	Deterioration which does not compromise access to live parts shall be deemed to be acceptable		P
	Inspection shall not reveal any damage to the plug which would impair its safety within the requirements of this part of BS 1363		P
Seq. 14	Cyclic loading (plugs for EV)		—
5	All tests shall be type test		N/A
27	Plugs classified as being suitable for electric vehicle charging shall withstand the associated electrical and mechanical stresses.		N/A
	Conformity shall be checked by the following test:		—
	The test arrangement shall be as described in 16.1.		N/A
	Rewirable plugs are tested with 1000mm PVC 1.25mm ² flexible cable.		N/A
	The terminal screws shall be tightened with a torque		N/A

BS1363-1						
Clause	Requirement + Test			Result - Remark		Verdict
	equal to (2/3 of the value in table 6).					
	The connection of clamp type (screwless) terminals shall be made in accordance with the manufacturer's instructions.					N/A
	Non-rewirable plugs are tested as delivered.					N/A
	The test shall be carried out at rated voltage:					N/A
	The plug shall be connected to a load of:					N/A
	The test shall be conducted for 28 continuous cycles, each cycle consisting of 8h "on", 1h "off", 8h "on" and 7h "off".					N/A
	The plug shall then be checked by inspection.					N/A
16.1	Plugs and their surroundings shall not attain excessive temperatures in normal use.					N/A
16.1.1	The tests shall be carried out at rated voltage.					N/A
	Attached flexible cord is retained without disturbing the terminal connection.					N/A
	Cord according to manufacturer's instruction					N/A
16.1.2	Rewirable plugs are tested with 1000mm of PVC insulated flexible cord.					N/A
	non-rewirable plugs are tested with 1000mm of cord as supplied					N/A
	The plug is fitted with a calibrated link.					N/A
	The clamp screws are tightened to a torque of 0.8Nm and 1.2Nm					N/A
	The test current through a load connected for a continuous period of 4h - 8h					N/A
	Parts	T1(K)	T2(K)	T3(K)	Limit (K)	—
	Live pin spacer (K)				≤ 37	N/A

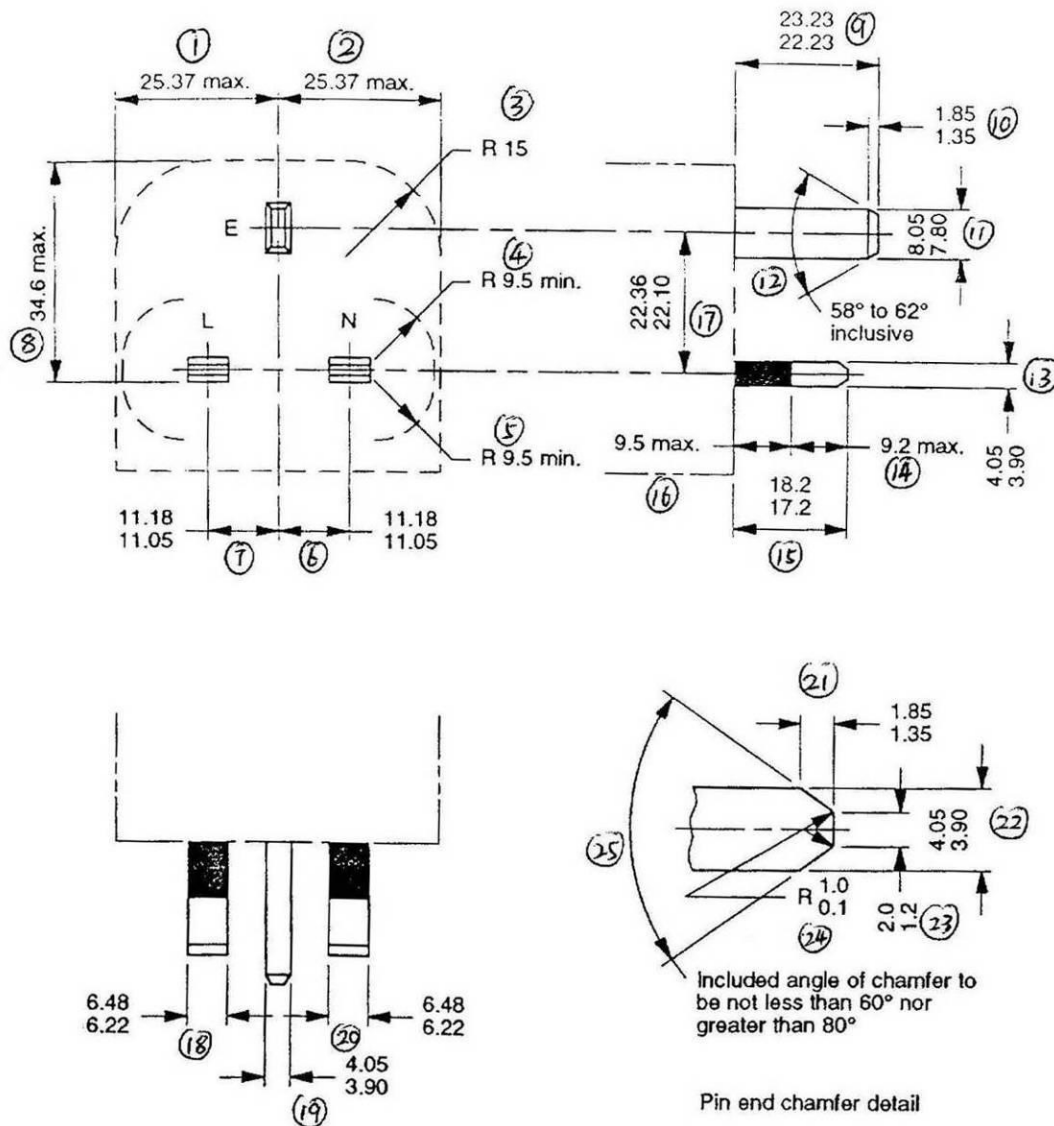
BS1363-1						
Clause	Requirement + Test			Result - Remark		Verdict
	Neutral pin spacer (K)				≤ 37	N/A
	Terminals / terminations 'L' (K)				≤ 52	N/A
	Terminals / termination 'N' (K)				≤ 52	N/A
	Accessible external surface (K)				≤ 52	N/A
12.2.1	Conforming to the gauge in accordance with fig.5 but with a force shall not exceeding 20N					N/A

Appendix no. 1

Dimensions Checked by means of measurement according to BS1363-3 Fig. 4 (see appendix no. 2)			
Position	Requirement (mm)	Measured (mm)	Verdict
1.	25,37max	24.02	P
2.	25,37max	24.02	P
3.	R15min	Measured by guage	P
4.	R9,5min	9.60	P
5.	R9,5min	9.60	P
6.	11,05-11,18	11.12	P
7.	11,05-11,18	11.12	P
8.	34,6max	30.50	P
9.	22,23-23,23	22.60	P
10.	1,35-1,85	1.55	P
11.	7,80-8,05	8.03	P
12.	58°-62° inclusive	60°	P
13.	3,90-4,05	3.99	P
14.	9,2max	8.88	P
15.	17,2-18,2	18.05	P
16.	9,5max	9.17	P
17.	22,10-22,36	22.21	P
18.	6,22-6,48	6.26	P
19.	3,90-4,05	4.03	P
20.	6,22-6,48	6.26	P
21.	1,35-1,85	1.81	P
22.	3,90-4,05	3.98	P
23.	1,2-2,0	1.24	P
24.	R0,1-R1,0	R0.55	P
25.	60 °-80 ° inclusive	68 °	P
Outline of the plug not exceed the dimension shown in figure 4 at least 6,35mm from the engagement surface		8.90	P

Appendix no. 2

BS1363-3 Fig 4a

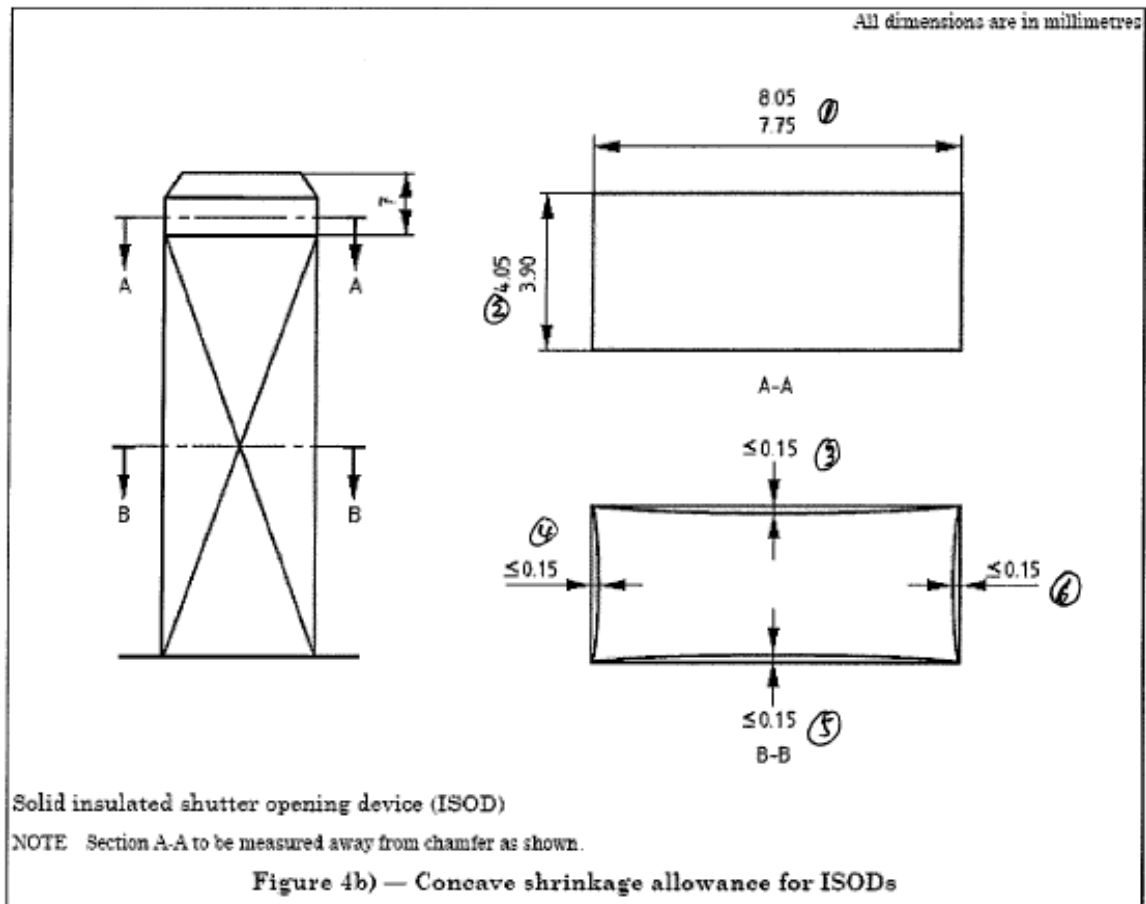


All dimensions are in millimetres.

Figure 4. Dimensions and disposition of pins (see clause 12)

Appendix no. 3 Concave shrinkable allowance for ISODs

Position	Dimensions Checked by means of measurement according to BS1363-3 Fig. 4b		Verdict
	Requirement (mm)	Measured (mm)	
1.	7,75-8,05	8.03	P
2.	3,90-4,05	3.99	P
3.	$\leq 0,15$	0.01	P
4.	$\leq 0,15$	0.01	P
5.	$\leq 0,15$	0.01	P
6.	$\leq 0,15$	0.01	P



Appendix no. 4: Photo



