

TEST REPORT

SASO 2203

Plugs and socket-outlets for household and similar purposes- Safety requirements and test methods 250V/13A

Report reference No.: 170601741SHA-001

Tested by (+ signature): Charlin Qian

Approved by (+ signature): Justin Zhang

Date of issue: 2017-07-19

Testing laboratory: Intertek Testing Services Shanghai.

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

Testing location: As above

Applicant: GlobTek, Inc.

Address: 186 Veterans Dr. Northvale, NJ 07647 USA

Standard: SASO 2203:2015

Test Report Form No.: SASO 2203_V1

Master TRF: Intertek, dated 2016-03-21

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Test procedure: Tesing in accordance with SASO 2203

Procedure deviation: N.A.

Non-standard test method: N.A.

Type of test object: Detachable Integral plug for power supplies

Trademark: GlobTek

Model/type reference: Q-UK

Manufacturer: Same as applicant

Site 1: GlobTek, Inc.

Factory: 186 Veterans Dr. Northvale, NJ 07647 USA

Site 2: GlobTek (Suzhou) Co., Ltd.

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

Rating: Input for power supply: Max 1,0A, 100~240VAC, 50~60Hz

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Copy of marking plate:

See main test report.

Summary of testing:

1. We conclude that the products presented in this test report complies with SASO 2203:2015 according to the test results on the submitted samples (except Cl 4.3.10, Cl 5.1, Cl 5.10, Cl 9 should be evaluated together with end product).
2. Supplementary standards GSO BS 1363-1 / ~~GSO BS 1363-2~~ are also considered according to SASO 2203:2015, except Cl.1.0.1, Cl.4.3.10.4, Cl.5.5.1 & Cl.5.5.2 were replaced by SASO 2203: 2003 until a new version of SASO 2203:2015 is released.
3. Only plug protion are conducted in this test report, and not considered the inner conpler protion.

Possible test case verdicts:

- test case does not apply to the test object : Not applicable
- test object does meet the requirement : P (Pass)
- test object does not meet the requirement : F (Fail)

Testing:

- Date of receipt of test item : 2017-06-16
- Date (s) of performance of tests : 2017-06-16 ~ 2017-07-19

General remarks:

"(see remark #)" refers to a remark appended to the report.

"(see appended table)" refers to a table appended to the report.

Throughout this report a comma is used as the decimal separator.

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

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The test results reported in this test report shall refer only to the sample actually tested and shall not refer or be deemed to refer to bulk from which such a sample may be said to have been obtained.

Determination of the test result includes consideration of measurement uncertainty from the test equipment and methods.

Descreption of products:

Input for power supply: Max 1,0A, 100~240VAC, 50~60Hz, IP20, comply with figure 1 of SASO 2203:2015, with nickel plated brass L & N pins and ISOD.

Material Declaration:

Main Parts	Type	Ingredient	Manufacturer
Enclosure / ISOD	SE1X(GG)(f1)	PC	SABIC Innovative Plastics BV
	CX7211(GG)		
	C2950		
	945(GG)		

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Cl.	Requirement – Test	Result - Remark	Verdict

4	MATERIALS, DESIGN AND CONSTRUCTION		P
4.1	Materials and construction		P
4.1.1	The materials used in the component parts shall be in accordance with table (1).		P
	PART	MATERIAL	—
	Non resilient base and cover of a plug, socket-outlet plate (non-metallic)	Moulded, tough, non ignitable insulating material.	N/A
	Resilient base or resilient covers of a plug	Rubber or other insulating materials free from blisters, cracks, embedded impurities and defects likely to affect insulating and mechanical protecting properties.	P
	Socket-outlet plates (metallic)	Sheet metal, cast metal or die-cast metal. Provision shall be made for the effective earthing of all metal parts that may become live in the event of failure of insulation of the socket-outlet and are being touched during normal operation.	N/A
	Socket-outlet base	An insulating material with rigid mechanical characteristics and no flame propagating characteristics like suitable grade of Polly Carbonates (PC), Urea and/or suitable equivalent material.	N/A
	Current carrying parts	Brass, phosphor-bronze, and/or suitable equivalent material.	P
	Shutter	Moulded, tough, non-ignitable insulating material.	N/A
4.1.2	Moulded insulating material and the vitrified ceramic material shall be nonhygroscopic and shall be resistant to the formation of carbonized paths.		P
4.1.3	Parts made of ferrous material shall be treated to resist rusting.		N/A
4.1.4	Compliance shall be checked by inspection and/or relevant tests in this standard and the supplementary standards.		P

4.2	Terminals		N/A
4.2.1	Rewirable accessories shall be provided with the terminals and shall permit the proper connection of conductors without special preparation.		N/A

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Cl.	Requirement – Test	Result - Remark	Verdict
4.2.2	The means for clamping the conductors in the terminals shall not serve to fix any other component although they may hold the terminals in position or prevent them from turning.		N/A
4.2.3	Terminals in the plug shall be provided with screws of sufficient size for effective clamping of the conductors of the flexible cord or cable. The end of the screw shall be slightly rounded so as to minimize damage to the conductors. Screwless terminals shall not be used.		N/A
4.2.4	Compliance shall be checked by inspection and/or relevant tests in this standard and the supplementary standards.		N/A
4.3	Plugs		P
4.3.1	Plugs shall comply with the relevant dimensional standard sheet in the supplementary standard GSO BS 1363-1 (see Figures (1) and (2)).		P
4.3.2	Plug pins shall be of brass, copper, phosphor bronze and of solid construction and shall have a chamfered end to facilitate entry into the corresponding socket contacts.		P
4.3.3	Plug pins shall be secured to the body of the plug and shall not be removable from the plug once the plug is assembled for use.		P
4.3.4	Plug pins, carrying current, shall be covered with insulating material with a sufficient length starting from the base of the pin. Refer to Figure (1).		P
4.3.5	The plug shall be provided with a single hole, for the entry of a flexible cord or cable with its protective cover or sheath and shall be such that the outer cover or sheath at the place of entry is not damaged. The cord shall enter the side opposite to the earth pin and perpendicular (at right angle) to it.		N/A

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Cl.	Requirement – Test	Result - Remark	Verdict
4.3.6	The rewirable plug shall be provided with a cord grip to hold the outer sheath and to ensure that the conductors are relieved from strain where they are connected to the terminals. The cord grip shall either be of insulating material or if of metal shall be provided with an insulating lining fixed to the metal parts.		N/A
4.3.7	Insulating barriers forming an integral part of the plug shall be provided so as to separate metallic parts at different potentials.		P
4.3.8	A finger grip or other suitable means shall be provided for inserting and withdrawing plugs without subjecting the flexible cord or cable to any stress.		N/A
	Such grip shall be so designed as to discourage gripping the plug by the fingers at the point of entry of the flexible cord or cable.		N/A
4.3.9	Compliance shall be checked by inspection, measurement, by the use of the gauges and/or relevant tests as described in this standard and the supplementary standard GSO BS 1363-1 (see Figure (2)).		P
4.3.10	Fuses (see summary of testing on page 2)		N/A
	The plug shall be provided with a fuse inside it. This fuse shall fulfill the following:		—
4.3.10.1	The fuse shall be provided within the body of the plug and the fuse shall be mounted in the appropriate contacts, only between the live terminal and the corresponding plug-pin in such a way that it cannot be displaced when the plug is in use.		N/A
4.3.10.2	It shall be impossible to replace a fuse in a fused plug unless the plug is completely withdrawn from the socket-outlet.		N/A
4.3.10.3	Fuses shall have rating not exceeding 13A.		N/A
4.3.10.4	Fuses shall comply with SASO 1899.		N/A

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Cl.	Requirement – Test	Result - Remark	Verdict
4.3.10.5	Compliance shall be checked by inspection and/or relevant tests in this standard and the supplementary standards.		P
4.4	Socket-outlets		N/A
4.4.1	Socket-outlets shall comply with the relevant dimensional standard sheet in the supplementary standard GSO BS 1363-2 (see Figure (3)).		N/A
4.4.2	There shall be no projection on the engagement surface of a socket-outlet such as would prevent the full insertion of a plug. The spacing of socket contacts shall correspond to that of the plug pins.		N/A
4.4.3	Socket contacts shall be so shaped at the point of entry as to provide access for appropriate plug pins. They shall be self adjusting so as to make effective electrical and mechanical contact with the corresponding plug pins.		N/A
4.4.4	Each socket contact shall be connected to a terminal securely fixed to it in such a way that it cannot work loose under normal service conditions. Each terminal shall provide an adequate number of screw threads for clamping the appropriate conductor.		N/A
4.4.5	The socket-outlet shall be either of the following.		N/A
	a) Single or double		N/A
	b) With or without a switch		N/A
	c) With or without a pilot indication lamp		N/A
	d) Flush or surface mounted		N/A
4.4.6	Compliance shall be checked by inspection, measurement, by the use of the gauges and/or relevant tests as described in this standard and the supplementary standard GSO BS 1363-2 (see Figure (3)).		N/A
4.4.7	Switches		N/A
4.4.7.1	If the socket-outlet is provided with a switch, the switch shall be a double pole.		N/A

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4.4.7.2	The actuating member of a switch shall not remain at rest in the “OFF” position whilst the switch contacts remain closed.		N/A
4.4.7.3	Switches shall be so constructed that undue arcing cannot occur when the switch actuating member is operated slowly.		N/A
4.4.7.4	Compliance shall be checked by inspection, measurement, by relevant tests as described in this standard and the supplementary standard GSO BS 1363-2.		N/A

4.4.8	Shutters		N/A
4.4.8.1	Socket-outlets shall be provided with shutters.		N/A
4.4.8.2	The construction of the shuttered socket-outlets shall be such that when the plug is withdrawn from it the current carrying socket contacts are automatically screened by shutters. The shutters shall be operated either by the insertion of the earthing plug pin or by the simultaneous insertion of two or more pins of the plugs.		N/A
4.4.8.3	Compliance shall be checked by inspection, measurement, by the use of the gauges and/or relevant tests as described in this standard and the supplementary standard GSO BS 1363-2 (See Figure (3)) .		N/A

4.4.9	Boxes		N/A
	Socket-outlets shall be put in use by fixing them on a suitable surface using suitable boxes, these boxes shall comply with GSO IEC 60670-1. NOTE: Box sizes allowed in Saudi Arabia are 72x72 mm (Width x Height) (external dimension) for one gang, and 132x72 mm for Duplex type (two gangs) socket-outlets		N/A
4.4.9.1	Compliance shall be checked by inspection, measurement, or relevant tests as described in this standard and the supplementary standard GSO IEC 60670-1.		N/A

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Cl.	Requirement – Test	Result - Remark	Verdict

4.5	Clearance and creepage distances		P
	Clearance and creepage distances shall comply with the relevant clause/sub clauses (mainly clause 8) in the supplementary standard GSO BS 1363-2.		P
4.5.1	Compliance shall be checked by inspection, measurement, and/or relevant tests as described in this standard and the two supplementary standards GSO BS 1363-1 and GSO BS 1363-2.	See appended table 4.5.1	P

5	RATING AND CHARACTERISTICS		P
5.1	Rating, shape and dimensions (see summary of testing on page 2)		N/A
	The rating, shape and dimensions of plugs and socket-outlets shall be as follows:		—
5.1.1	13A two-pin plug with earthing pin (See Figures (1) and (2)).		N/A
5.1.2	13A two pin shuttered socket-outlet with earthing contact (See Figure (3)).		N/A
5.1.3	Compliance shall be checked by inspection, measurement, by the use of the gauges and/or relevant tests as described in this standard and the two supplementary standards GSO BS 1363-1 and GSO BS 1363-2 (See Figures (1) (2) and (3)).		N/A

5.2	Protection against electric shock		P
5.2.1	Plugs and socket-outlets shall be so constructed that when they are mounted and wired as in normal use, live parts are not accessible.		P
5.2.2	The earthing pin shall be prevented from making contact with a current carrying part in normal use.	With ISOD	N/A
5.2.3	A current carrying pin shall be prevented from making contact with current carrying contact while either or both of the other pins are completely exposed.		P

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Cl.	Requirement – Test	Result - Remark	Verdict
5.2.4	The earthing pin shall make and break contact with the corresponding earthing socket-outlet part respectively before and after the current carrying plug pins make and break contact with the corresponding current socket contacts.	With ISOD	N/A
5.2.5	The current carrying socket contacts shall be sunk below the surface in such a way as to make it impossible during normal use for them to be touched accidentally.		N/A
5.2.6	The mechanism for screening the current carrying contacts shall ensure that the shutter is returned to its normal position when the plug is withdrawn from the socket-outlet.		N/A
5.2.7	Compliance shall be checked by inspection, measurement, by the use of the gauges and/or relevant tests as described in this standard and the two supplementary standards GSO BS 1363-1 and GSO BS 1363-2 (See Figures (1), (2) and (3)).		P
5.3	Insulation resistance		P
5.3.1	The insulation resistance for the plugs and socket-outlets shall be not less than 5 megohms and shall be not less than 2 megohms across switch contacts with switch open where applicable, when measured after 60_{-0}^{+5} s of application of a DC voltage of 500_{-0}^{+250} V between the following parts:		—
	- Current carrying terminals;		P
	- Current carrying terminals connected together and any other parts insulated there from, including earthing terminals.		P
5.3.2	For resilient and non rewirable plugs the insulation resistance shall not be less than 50 megohms.		P
5.3.3	Compliance shall be checked by relevant tests as described in this standard and the two supplementary standards GSO BS 1363-1 and GSO BS 1363-2.		P
5.4	Electrical strength		P

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5.4.1	Plugs and socket-outlets shall withstand a high voltage of 2000 ± 60 V (r.m.s.) of approximately sinusoidal wave form at a frequency of 50 or 60 Hz applied for one minute between the following parts:		—
	- Current carrying terminals;		P
	- Current carrying terminals connected together and any other parts insulated there from, including earthing terminals.		P
5.4.2	Each switched socket-outlet shall pass a momentary high voltage of 750 V (r.m.s.) applied across the switch contacts with the switch open without any flash over or breakdown of insulation.		N/A
5.4.3	Compliance shall be checked by relevant tests as described in this standard and the two supplementary standards GSO BS 1363-1 and GSO BS 1363-2.		P

5.5	Temperature rise (see summary of testing on page 2)		P
5.5.1	The temperature rise measured for any part shall not exceed the relevant values specified in GSO BS 1363-1 for plugs and GSO BS 1363-2 for sockets minus 10K when tested at ambient temperature of 35°C.	Max. 7K for terminations & Max. 3K for enclosure (according to Cl.5.5 of SASO 2203:2003)	P
5.5.2	Temperature rise for plugs shall comply with the relevant clause/sub clauses in the supplementary standard GSO BS 1363-1.	See summary of testing on page 2.	N/A
5.5.3	Temperature rise for socket-outlets shall comply with the relevant clause/sub clauses in the supplementary standard GSO BS 1363-2.	See appended table 5.5.3	N/A
5.5.4	Compliance shall be checked by relevant tests as described in this standard and the two supplementary standards GSO BS 1363-1 and GSO BS 1363-2.		P

5.6	Contact resistance		N/A
5.6.1	The contact resistance between the earthing pin of a plug and the earthing terminal of a socket-outlet and each earth accessible metallic part shall not exceed 0.05 ohm.		N/A

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Cl.	Requirement – Test	Result - Remark	Verdict
5.6.2	Compliance shall be checked by relevant tests as described in this standard and the two supplementary standards GSO BS 1363-1 and GSO BS 1363-2	See appended table 5.6.2	N/A
5.7	Current breaking capacity of socket-outlets		N/A
5.7.1	The breaking capacity of socket contacts and switches incorporated in socketoutlets shall be adequate.		N/A
5.7.2	Compliance shall be checked by the tests described in the sub-clauses 17.1.2, 17.1.3 and 17.1.4 of the supplementary standard GSO BS 1363-2 as applicable.	See appended table 5.7.2	N/A
5.8	Normal operation of socket-outlets		N/A
5.8.1	Socket-outlets shall withstand without excessive wear or other harmful effects, the electrical and mechanical stresses occurring in use.		N/A
5.8.2	Compliance shall be checked by the tests described in the sub-clauses 18.1.2 and 18.1.3 of the supplementary standard GSO BS 1363-2.	See appended table 5.8.2	N/A
5.9	Resistance to heat		P
5.9.1	Plugs and socket-outlets shall be resistant to heat.		P
5.9.2	Plugs compliance shall be checked by the tests described in the sub-clauses 22.1.2, and 22.1.3 of the supplementary standard GSO BS 1363-1.		P
5.9.3	Socket-outlets compliance shall be checked by the tests described in the subclause 22.1.2 of the supplementary standard GSO BS 1363-2.		N/A
5.10	Mechanical strength		N/A
5.10.1	Plugs and socket-outlet shall have adequate mechanical strength and be so constructed as to withstand such handling as may be expected in normal use.		N/A

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Cl.	Requirement – Test	Result - Remark	Verdict
5.10.2	After the mechanical strength test is carried out, no external damage which might affect the safety is shown on the plugs, socket-outlets and the components shall not have become detached.		N/A
5.10.3	Plugs compliance shall be checked by the tests described in the sub-clauses 20.1.2, and 20.1.3 of the supplementary standard GSO BS 1363-1.		N/A
	Temperature rise after the sub-clause 20.1.3 of GSO BS 1363-1.		—
	Temperature rise on line & neutral pin spacer. Limit $\leq 37K$:	Measured:	N/A
	Temperature rise on terminals or terminations. Limit $\leq 52K$:	Measured:	N/A
	Temperature rise on accessible external surface. Limit $\leq 52K$:	Measured:	N/A
	Comply with the gauge in accordance with fig.5 of GSO BS 1363-1 but with a force shall not exceeding 20N		N/A
5.10.4	Socket-outlets compliance shall be checked by the tests described in the subclauses 20.1.2 and 20.1.3 of the supplementary standard GSO BS 1363-2.		N/A
5.11	Resistance to abnormal heat and fire		P
5.11.1	Plugs and socket-outlets shall be proof against abnormal heat, fire and tracking.		P
5.11.2	Plugs compliance shall be checked by the glow wire test described in the subclause 23.2 of the supplementary standard GSO BS 1363-1.		P
5.11.3	Socket-outlets compliance shall be checked by the glow wire test described in the sub-clause 23.2 of the supplementary standard GSO BS 1363-2.		N/A
5.11.4	The glow-wire test shall be performed in accordance to the glow wire test method and glow wire appliance standards which mentioned in the normative references and they are IEC 60695-2-10, IEC 60695-2-11 and IEC 60695-2-12.	See appended table 5.11	P



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Cl.	Requirement – Test	Result - Remark	Verdict

5.12	Resistance to ageing and to humidity		P
5.12.1	Resistance to ageing		P
5.12.1.1	Plugs and socket-outlets shall be resistance to aging.		P
5.12.1.2	Plugs compliance shall be checked by the test described in the sub-clause 14.1.1 of the supplementary standard GSO BS 1363-1.		P
5.12.1.3	Socket-outlets compliance shall be checked by the test described in the subclause 14.1.1 of the supplementary standard GSO BS 1363-2.		N/A

5.12.2	Resistance to humidity		P
5.12.2.1	Plugs and socket-outlets shall be proof against humid conditions which may occur in normal use.		P
5.12.2.2	Plugs compliance shall be checked by the test described in the sub-clause 14.2.1 of the supplementary standard GSO BS 1363-1.		P
5.12.2.3	Socket-outlets compliance shall be checked by the test described in the subclause 14.2.1 of the supplementary standard GSO BS 1363-2.		N/A

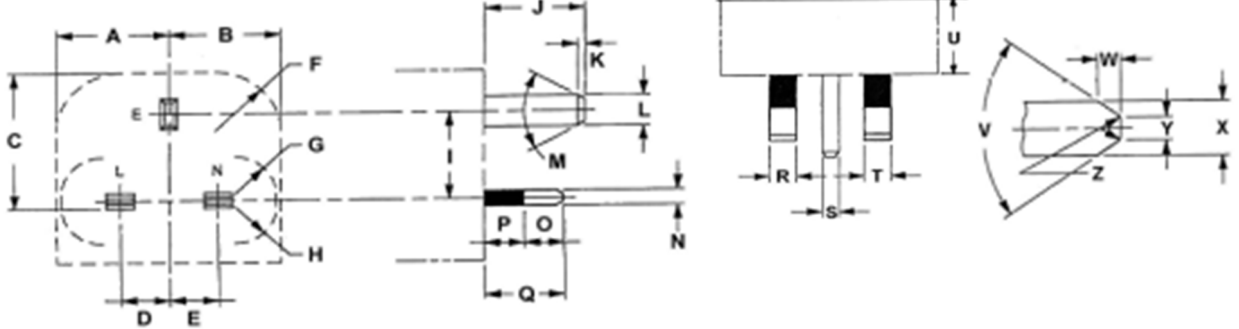
5.13	Resistance to excessive residual stresses and to rusting		P
5.13.1	Press-formed or similar current-carrying parts of copper alloy containing less than 80% of copper shall be resistant to failure in use due to stress corrosion.		P
5.13.2	Ferrous parts, the rusting of which might cause the unit to become unsafe, shall be adequately protected against rusting.		N/A
5.13.3	Plugs compliance shall be checked by the tests described in the sub-clauses 24.1.1 and 24.2.1 as applicable of the supplementary standard GSO BS 1363-1.		P
5.13.4	Socket-outlets compliance shall be checked by the tests described in the subclauses 24.1.1 and 24.2.1 as applicable of the supplementary standard GSO BS 1363-2.		N/A

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Cl.	Requirement – Test	Result - Remark	Verdict
6	SAMPLING		P
	For all types of plugs and socket-outlets which are newly produced or delivered for the first time, a sample shall be selected at random for type approval as detailed in clause 8.0 in this standard.		P
7	TESTS		P
	Type tests shall be carried out on the samples selected in accordance with clause 8.0 taking a set of 3 units for each test. Each unit tested shall pass visual inspection test, an insulation resistance test and an electrical strength test before being subjected to the relevant test according to this standard and to:		P
7.1	"Table 1 - schedule of tests" for Plugs from the supplementary standard GSO BS 1363-1.		P
7.2	"Table 1 - schedule of tests" for socket-outlets from the supplementary standard GSO BS 1363-2.		N/A
8	CRITERIA FOR TECHNICAL CONFORMITY		P
8.1	Each consignment of plugs and socket-outlets covered by this standard shall be accompanied with a certificate stating its compliance with this standard.		P
8.2	For a sample subjected to type tests (type approval).		P
8.2.1	The product shall be considered conforming to this standard if all the sample units pass the type tests.		P
8.2.2	Should more than one unit in any one sample fail in any one of the tests, the product shall be considered non-conforming.		P
8.2.3	Should one unit fail a test, a second set of 3 units shall be subjected to the test, which the previous unit failed. The product shall be considered conforming if all the units in the second set pass the repeated tests otherwise it will be considered non-conforming.		P

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Cl.	Requirement – Test	Result - Remark	Verdict
9	MARKING (see summary of testing on page 2)		N/A
	Each plug or socket-outlet shall have the following information clearly and durably marked on it, in Arabic or English.		N/A
9.1	Country of origin.		N/A
9.2	Manufacturer's name or purchaser's name or trade-mark or both.		N/A
9.3	Rated current in amperes (13 A).		N/A
9.4	Rated voltage in volts.		N/A
9.5	Identification of each of the live, the neutral and the earthed pole.		N/A
9.6	For fused plugs, the word "Fuse" or "Fused" or symbol.		N/A
9.7	If symbols are used they shall be as follows:		N/A
	- Amperes : A		N/A
	- Volts : V		N/A
	- Fuse : 		N/A
	- Neutral or live : N or L		N/A
	- Earth : G or E or 		N/A
	- Fused live : L		N/A
9.8	Compliance shall be checked by inspection and by rubbing the marking for approximately 15 s with a cloth soaked in water, and again for approximately 15 s with a cloth soaked in a aliphatic solvent hexane with a content of aromatics of maximum 0.1 % by volume, a Kauri-butanol value of 29, an initial boiling point of approximately 69 °C, and relative density of approximately 0.68. The marking shall remain legible. Markings produced by an engraving or moulding process shall be deemed to comply without test.		N/A

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Cl.	Requirement – Test	Result - Remark	Verdict
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4.3.1	Table: Dimension of plug pins				P
					
Location	Limit (mm)	Measured (mm)			—
A	≤ 25.37	24,02	24,02	24,02	P
B	≤ 25.37	24,02	24,02	24,02	P
C	≤34.6	30,70	30,72	30,71	P
D	11.05-11.18	11,12	11,12	11,12	P
E	11.05-11.18	11,12	11,12	11,12	P
F	≥ R 15	>15	>15	>15	P
G	≥ R 9.5	9,60	9,60	9,60	P
H	≥ R 9.5	9,60	9,60	9,60	P
I	22.10-22.36	22,21	22,21	22,21	P
J	22.23-23.23	22,60	22,62	22,60	P
K	1.35 - 1.85	1,55	1,55	1,55	P
L	7.80-8.05	8,03	8,03	8,03	P
M	58° - 62°	60°	60°	60°	P
N	3.90-4.05	3,99	3,99	3,99	P
O	≤ 9.2	8,98	8,96	8,98	P
P	≤ 9.5	9,27	9,27	9,25	P
Q	17.2-18.2	17,8	17,8	17,8	P
R	6.22-6.48	6,26	6,26	6,26	P
S	3.90-4.05	4,03	4,03	4,03	P
T	6.22-6.48	6,26	6,26	6,26	P
V	60° - 80°	68°	68°	68°	P
W	1.35-1.85	1,81	1,81	1,81	P
X	3.90-4.05	3,98	3,98	3,98	P
Y	1.2 - 2.0	1,24	1,24	1,24	P
Z	R 0.1-1.0	0,55	0,55	0,55	P

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Cl.	Requirement – Test	Result - Remark	Verdict

4.4.1	Table: Dimension of socket-outlets		N/A
	The apertures for line, neutral and earth plug pins:		N/A
	Limit (mm)	Measured (mm)	—
L (mm)	$\leq 7,2 \times 4,8$	Max.	N/A
N (mm)	$\leq 7,2 \times 4,8$	Max.	N/A
E (mm)	$\leq 8,8 \times 4,8$	Max.	N/A
	The distance from the apertures of line and neutral to the periphery of the engagement surface.		N/A
	Limit (mm)	Measured (mm)	—
	$\geq 9,5\text{mm} / 18,0\text{mm}$	Min.	N/A

4.5.1	TABLE: Clearance and creepage distances		P
	The distance between lead wires in the pinch of a neon lamp with external resistor: $\geq 1\text{mm}$	Measured (mm):	N/A
	part under test	Clearances (Mesured (mm))	Creepage distances (Mesured (mm))
	for basic insulation	>4 (by gauge)	>4 (by gauge)
	for functional insulation	>4 (by gauge)	>4 (by gauge)
	for supplementary insulation		
	for reinforced insulation		
	The minimum contact gap in the open position: $\geq 1.2\text{mm}$		—

5.5.3	TABLE: Temperature rise for socket-outlets		N/A
	Ambient temperature (°C)		—
	Nominal diameter of thread (mm); torque 2/3 of the value in table 3a GSO BS 1363-2 (Nm).....		—
	The test current (A), test voltage (V):		—
	Temperature rise on terminals or terminations. Limit $\leq 42\text{K}$:	Measured:	N/A
	Temperature rise on accessible external surface. Limit $\leq 42\text{K}$:	Measured:	N/A

5.6.2	TABLE: Contact resistance		N/A
	Test current (A):		—

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Cl.	Requirement – Test	Result - Remark	Verdict
	between the earthing pin of a plug and the earthing terminal of a socket-outlet and each earth accessible metallic part shall not exceed 0.05 ohm.	Measured:	N/A

5.7.2	TABLE: Current breaking capacity of socket-outlets		N/A
	The breaking capacity of socket contacts shall be adequate.		
	Test current (A), test voltage (V):		—
	Times of make and break:		—
	After the test, the socket-outlet shall be capable of satisfying.		N/A
	The breaking capacity of switches incorporated in socket outlets shall be adequate.		N/A
	Test current (A), test voltage (V):		—
	Times of make and break:		—
	After the test, the socket-outlet shall be capable of satisfying.		N/A
	The breaking capacity of fuse contacts incorporated in socket outlets shall be adequate.		N/A
	Test current (A), test voltage (V):		—
	Times of make and break:		—
	After the test, the socket-outlet shall be capable of satisfying.		N/A

5.8.2	TABLE: Normal operation of socket-outlets		N/A
	Test current (A), test voltage (V):		—
	Times of make and break:.....		—
	After the test, the shutter shall be operating satisfactorily.		N/A
	Normal operation for switch:		N/A
	The voltage drop across each switched pole. Limit ≤ 60 mV	Measured:	N/A
	Test current (A), test voltage (V) for switch:		—
	Times of make and break for switch:.....		—

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Cl.	Requirement – Test	Result - Remark	Verdict
	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	Measured:	N/A

5.11	TABLE: Resistance to abnormal heat and fire					P
part under test	material designation	test temperature (°C)	visible flame and sustained glowing (Y/N)	flame and glowing extinction time	ignition of the tissue paper (Y/N)	
Enclosure / ISOD	PC	750	N	-	N	

Photos:



Overall view

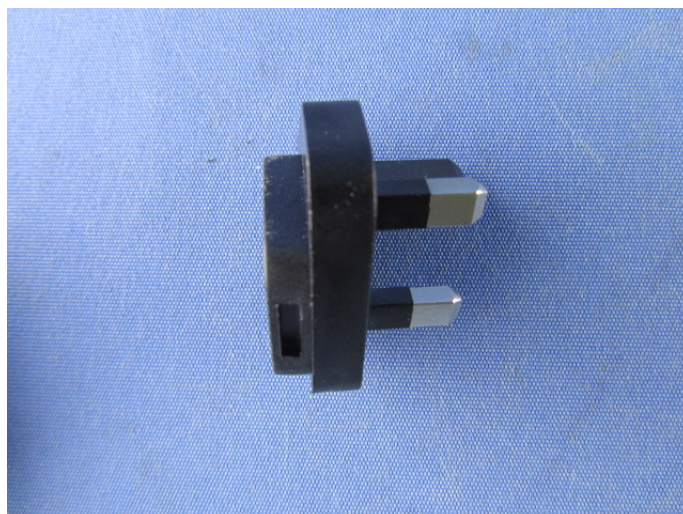


Overall view



Overall view

Photos:



Side view



Internal view