

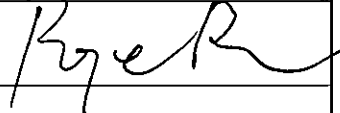


TEST REPORT IEC 60884-1 Plugs and socket-outlets for household and similar purposes Part 1: General requirements	
Report Number	6202377.50
Date of issue	2024-09-30
Total number of pages	14 pages
Name of Testing Laboratory preparing the Report	DEKRA Testing and Certification (Shanghai) Ltd.
Applicant's name	BRAYTRON S.R.L
Address	B.DUL IULIU MANIU, NR.616, CORP B, ETAJ 1 SECTOR 6, 061129, BUCHAREST, ROMANIA
Test specification:	
Standard	IEC 60884-1:2002, AMD1:2006, AMD2:2013
Test procedure	GS
Non-standard test method	N/A
Test Report Form No.	IEC60884_1G
Test Report Form(s) Originator	IMQ S.p.A.
Master TRF	Dated 2019-05-07
<p>Copyright © 2019 IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System). All rights reserved.</p> <p>This publication may be reproduced in whole or in part for non-commercial purposes as long as the IECEE is acknowledged as copyright owner and source of the material. IECEE takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.</p> <p>This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.</p>	
General disclaimer:	
<p>The test results presented in this report relate only to the object tested.</p> <p>This report shall not be reproduced, except in full, without the written approval of the Issuing Testing Laboratory.</p>	
Test item description	Multiple portable socket-outlets
Trade Mark	
Manufacturer	DEMGRUP INTERNATIONAL LIGHTING LIMITED UNIT 811, BEVERLEY COMMERCIAL CENTRE, 87-105 CHATHAM ROAD SOUTH, TSIM SHA TSUI, KOWLOON, HONGKONG
Model/Type reference	BY72-0003X, BY72-0004X, BY72-0006X
Ratings	16 A 250V~, MAX 3680W

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	Testing Laboratory:	DEKRA Testing and Certification (Shanghai) Ltd.
	Testing location/ address.....:	3F #250 Jiangchangsan Road, Building 16 Headquarter Economy Park Shibe Hi-Tech Park, Jing'an District, Shanghai 200436, China
	Tested by (name, function, signature).....:	J. Zhu (Engineer) 
	Approved by (name, function, signature)....:	P. Ren (Reviewer) 
<input type="checkbox"/>	Testing procedure: CTF Stage 1:	
	Testing location/ address.....:	
	Tested by (name, function, signature).....:	
	Approved by (name, function, signature)....:	
<input type="checkbox"/>	Testing procedure: CTF Stage 2:	
	Testing location/ address.....:	
	Tested by (name + signature)	
	Witnessed by (name, function, signature)..:	
	Approved by (name, function, signature)....:	
<input type="checkbox"/>	Testing procedure: CTF Stage 3:	
<input type="checkbox"/>	Testing procedure: CTF Stage 4:	
	Testing location/ address.....:	
	Tested by (name, function, signature).....:	
	Witnessed by (name, function, signature)..:	
	Approved by (name, function, signature)....:	
	Supervised by (name, function, signature) :	

<p>List of Attachments (including a total number of pages in each attachment):</p> <ul style="list-style-type: none"> - deviation of Germany (1 page) - pictures of product (4 pages) 	
<p>Summary of testing:</p>	
<p>Tests performed (name of test and test clause):</p> <p>This report is issued to check the identity against the main GS certificate No. 4922062.24004 and report 6189689.50 dated on 2024-06-20 to change the applicant, manufacturer, trade name and type.</p> <p>BY72-0003X, BY72-0004X and BY72-0006X are identical to XX-G13CX-23, XX-G14CX-23 and XX-G16CX-23 except the type and trade name.</p> <p>All identical check has conducted. The sample of representative model BY72-0006X including construction, critical components and instructions are the same as the product in original report.</p> <p>Clause 8 was additionally performed.</p>	<p>Testing location:</p> <p>DEKRA Testing and Certification (Shanghai) Ltd. 3F #250 Jiangchangsan Road, Building 16 Headquarter Economy Park Shibe Hi-Tech Park, Jing'an District, Shanghai 200436, China</p>
<p>Summary of compliance with National Differences (List of countries addressed):</p> <p>Germany – DIN VDE 0620-2-1:2016+A1:2017; Clause 10.5 of DIN VDE 0620-2-1:2021</p> <p>For GS scheme, the applicable EK1 decisions including EK1 601-15e Rev.3, EK1 510-11, EK1 634-16, EK1 702-20 Rev.1 and EK1 775-23 have been considered and requirements are fulfilled.</p> <p><input checked="" type="checkbox"/> The product fulfils the requirements of listed above.</p>	

Copy of marking plate:

Model BY72-0006X as a typical example:

Braytron

Made in P.R.C.



$$\frac{16}{250} \sim$$
BY72-0006X**Nicht hintereinander stecken****Nicht abgedeckt betreiben****Nur zur Verwendung in trockenen Räumen****Wegen erhöhter Temperaturbelastung nur
im unabgewickelten Zustand betreiben****MAX 3680 W****On the smallest packaging:**

BRAYTRON S.R.L


B.DUL IULIU MANIU, NR.616, CORP B, ETAJ 1 SECTOR 6, 061129, BUCHAREST, ROMANIA

*Note $\frac{16}{250} \sim$ (moulded on the engagement surface)

Test item particulars	: Multiple portable socket-outlets
Standard Sheet	: DIN 49440-1
Rated current (A) / Rated voltage (V)	: 16 / 250
Degree of protection against access to hazardous parts and against harmful ingress of solid foreign objects	: IP2X
Degree of protection against harmful ingress of water	: IPX0
Provision for earthing	: with earthing contact
Method of connecting the cable	: non-rewirable
Type of cable	: H05VV-F
Nominal cross-sectional areas (mm²)	: 3G1,5
Type of terminals	: N/A
Type of connections	: Welded
Socket-outlets:	
Degree of protection against electric shock :	Normal protection
Existence of shutters	: With shutters
Method of application / mounting of the socket-outlet	: portable type / table-type (multiple)
Method of installation	: N/A
Intended for circuits where	: A single earthing circuit provides protective earthing
Plugs:	
Class of equipment	: N/A
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	: 2024-09-02
Date (s) of performance of tests	: 2024-09-20
General remarks:	
<p>The measurement result is considered in conformance with the requirement if it is within the prescribed limit. It is not necessary to calculate the uncertainty associated with the measurement result, unless the specification, standard or customer have special requirements.</p> <p>This report will not be used for social proof function in China market.</p> <p>"(See Enclosure #)" refers to additional information appended to the report.</p> <p>"(See appended table)" refers to a table appended to the report.</p> <p>Throughout this report a <input checked="" type="checkbox"/> comma / <input type="checkbox"/> point is used as the decimal separator.</p>	

Manufacturer's Declaration per sub-clause 4.2.5 of IEC 60335-1:			
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable	
When differences exist; they shall be identified in the General product information section.			
Name and address of factory (ies)		Daqishan, East Guanhaiwei Industrial Zone Cixi, Ningbo, China	
General product information and other remarks:			
product	:	Multiple portable socket-outlets	
trade name(s)	:	Braytron	
type(s)	:	BY72-0003X, BY72-0004X, BY72-0006X	
rated current	:	16 A	
rated voltage	:	250 V~	
rated load	:	MAX 3680W	
degree of protection	:	IP20	
earthing	:	With side earthing contacts	
design	:	Non-rewirable, with shutters	
standard sheet	:	DIN 49440-1	
cord termination	:	Welded	
description	:	Body of thermoplastic material	
Model list:			
Model No.	Design	With Switch	
BY72-0023X	3-fold	N	
BY72-0024X	4-fold	N	
BY72-0026X	6-fold	N	
Component list:			
Component	Manufacturer	Type / Technical data	Marks of conformity ¹⁾
Plug	Ningbo Electrical Co., Ltd.	XX-01, 16A 250V~, DIN 49441-R2, all colours	VDE 40020223 PAH report: DEKRA No. 6193488.50QS
Cable	Ningbo Electrical Co., Ltd.	H05VV-F 3G1,5 mm ² , all colours	VDE 40017439 PAH report: DEKRA No. 6193488.50QS
Enclosure & cord anchorage	China Petroleum&Chemical Corporation	PP, all colours	* PAH report: DEKRA No. 6193488.50QS
grommet	Cixi Bocheng Plastic Industry Co., Ltd.	PVC, all colours	* PAH report: DEKRA No. 6193488.50QS

Shutter & shutter box	SABIC Innovative Plastics(China)Co., Ltd.	PC, PC0703R	*
L/N and PE contacts	Ningbo Jintian Copper(Group) Co., Ltd.	H62, Cu 62%	*
* indicates a component tested as part of the product			

IEC 60884-1			
Clause	Requirement + Test	Result - Remark	Verdict
8	MARKING		
8.1	Accessories marked as follows:		P
	- rated current (A)	16	P
	- rated voltage (V)	250	P
	- symbol for nature of supply	~	P
	- manufacturer's or responsible vendor's name		P
	- type reference	BY72-0003X, BY72-0004X, BY72-0006X	P
	- degree of protection (first characteristic numeral) if higher than 2		N/A
	- degree of protection (second characteristic numeral) if higher than 0		N/A
	- degree of protection (first characteristic numeral) higher than 4 for fixed socket outlet in which case the second characteristic numeral shall also be marked		N/A
	- degree of protection (second characteristic numeral) higher than 2 for fixed socket outlet in which case the first characteristic numeral shall also be marked		N/A
	Socket-outlets with screwless terminals marked with the following:		N/A
	- the length of insulation to be removed		N/A
	- an indication of the suitability to accept rigid conductors only (if any)		N/A
8.2	Symbols used: as required in the standard		P
	Marking for the nature of supply placed next to the marking for rated current and rated voltage		P
8.3	Marking of fixed socket-outlets placed on the main part:		N/A
	- rated current, rated voltage and nature of supply		N/A
	- identification mark of the manufacturer or of the responsible vendor		N/A
	- length of insulation to be removed, if any		N/A
	- indication of the suitability to accept rigid conductors only for screwless terminals for those socket-outlets having this restriction		N/A
	- type reference		N/A
	Cover plates necessary for safety purposes and intended to be sold separately: marked with the manufacturer's or responsible vendor's name and type reference		N/A

IEC 60884-1			
Clause	Requirement + Test	Result - Remark	Verdict
	IP code, if applicable: marked so as to be easily discernible		N/A
	Fixed socket-outlets classified according to item b) of 7.2.5: identified by a triangle visible after installation unless they have an interface configuration different from that used in normal circuits		N/A
8.4	Plugs and portable socket-outlets: marking specified in 8.1, other than the type reference, easily discernible		P
	Plugs and portable socket-outlets for equipment of class II not marked with the symbol for class II construction		N/A
8.5	Neutral terminals: N		N/A
	Earthing terminals: [earth symbol]		N/A
	Markings not placed on screws or other easily removable parts		N/A
	Terminals for conductors not forming part of the main function of the socket-outlet:		N/A
	- clearly identified unless their purpose is self-evident, or		N/A
	- indicated in a wiring diagram fixed to the accessory		N/A
	Identification of such terminals may be achieved by:		N/A
	- their being marked with graphical symbols according to IEC 60417-2 or colours and/or alphanumeric system, or		N/A
	- their being marked with their physical dimensions or relative location		N/A
8.6	Surface-type mounting boxes forming an integral part of socket-outlets having an IP code higher than IP4X, or higher than IPX2, the IP code marked on the outside of its associated enclosure so as to be easily discernible		N/A
8.7	Indication of which position or with which special provision the declared IP of flush-type and semi-flush-type fixed socket-outlets having IP>X0 is ensured		N/A
8.8	Marking durable and clearly legible with normal or corrected vision, without additional magnification. Test: 15 s with water and 15 s with petroleum spirit		P

DIN VDE 0620-2-1:2016+ A1:2017			
Clause	Requirement + Test	Result - Remark	Verdict
8	Markings The legal requirements for the marking of products shall be considered (GPSG)		P
8.1	Add after the fourth dashed item		P
	Note See GPSG, clause 5 for the type and scope of the information		P
8.6	Additional paragraph at the end		N/A
	For surface-type mounting boxes with the degree of protection of IPX4, it shall be clearly marked that the condensate hole shall be opened in the lowest mounting position		N/A
8.8	Amend the first paragraph to read		P
	Marking - durable and easily legible - not less than 3 mm if possible		P
8.9	Additional clause		P
	Warning notes The following warnings shall be provided for portable multiple socket-outlets and adaptors in the package leaflet or on the product by means of text or pictogram.		P
	a) Portable socket outlets		P
	- don't plug in a row (<i>nicht hintereinanderstecken</i>)		P
	- don't use coated (<i>nicht abgedeckt betreiben</i>)		P
	b) Portable multiple socket-outlet with function-switch		N/A
	- voltage-free only when unplugged (<i>spannungsfrei nur bei gezogenen Stecker</i>)		N/A
	c) Intermediate adaptor		N/A
	- don't plug in a row (<i>nicht hintereinanderstecken</i>)		N/A
	d) cord extension sets and multiple socket-outlets with cord:		P
	- Information about the allowed ambience (<i>Information über zulässige Umgebung wird mitgeliefert</i>)	Nur zur Verwendung in trockenen Räumen	P
8.10	Additional clause Notes according to annex E fitted at the smallest unit-of-sales		N/A
8.11	Additional paragraph at the end		N/A
	If products require installation instructions for professionals, these must be added to the smallest sales unit.		N/A
	The name and address of the manufacturer or, if not resident in the European Economic Area, the name and contact address of the authorized representative or the importer are on to indicate the smallest unit of sale.		N/A

Annex pictures:



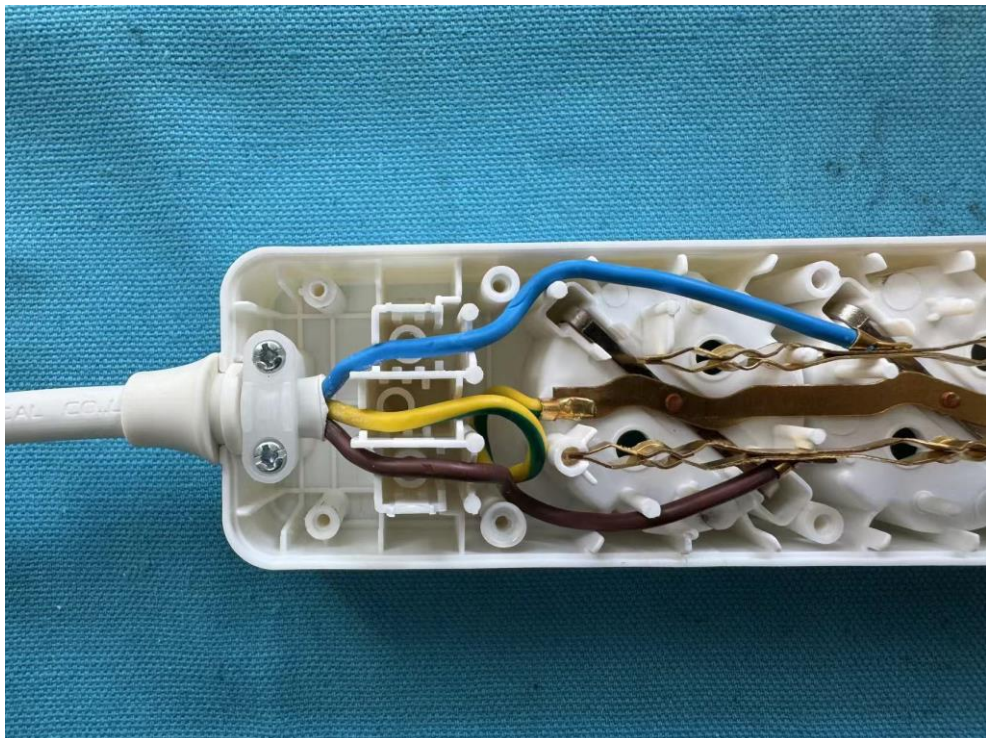
BY72-0006X



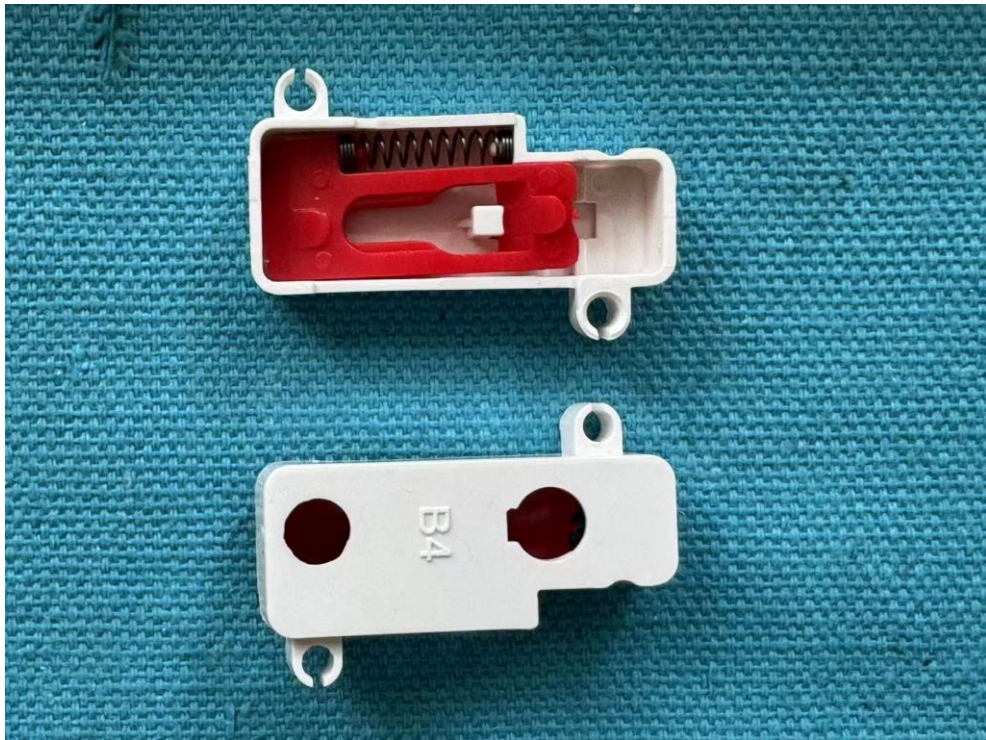
Annex pictures:



Annex pictures:



Annex pictures:



.....End of report.....