



Test Report issued under the responsibility of:



TEST REPORT

IEC 60884-1

Plugs and socket-outlets for household and similar purposes

Part 1: General requirements

Report Reference No. : 379481 / 12-17

Date of issue : 19/12/2017

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CB Testing Laboratory : TSE Elektroteknik Laboratuvarı Ankara Müdürlüğü

Address : Necatibey Caddesi No: 112 Bakanlıklar/ ANKARA

Applicant's name : YILDIZ PLASTİK VE KALIP SAN. VE TİC. LTD. ŞTİ.

Address : İkitelli Org. San. Böl. Metal-İş San. Sit. 17. Blok No:2-4-6-8 İSTANBUL

Test specification:

Standard : IEC 60884-1:2002 (Third Edition) + A1:2006

Test procedure : CB

Non-standard test method : N/A

Test Report Form No. : IEC60884_1C

Test Report Form(s) Originator : IMQ

Master TRF : Dated 2006-10

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Test item description : 16A, 250V ~, normal protection, rewirable, without shutters, with and without switch, with side earthing contact, portable socket-outlets

Trade Mark : DE-PA

Manufacturer : YILDIZ PLASTİK VE KALIP SAN. VE TİC. LTD. ŞTİ.

Model/Type reference : Table 1

Ratings : 16A, 250V ~





Testing procedure and testing location:☒ **CB Testing Laboratory:**

Testing location/ address

TSE Elektroteknik Laboratuvarı Ankara Müdürlüğü
Necatibey Caddesi No: 112 Bakanlıklar/ ANKARA

Tested by (name + signature)

Bertan KAHRAMAN

Reviwed by (name + signature) :

Hülya ÖCAL

Approved by (name + signature):

Ahmet Metin GEDİK

☐ **Associated CB Test Laboratory:**

Testing location/ address

Tested by (name + signature)

Approved by (name + signature):

☐ **Testing procedure: TMP**

Tested by (name + signature)

Approved by (name + signature):

Testing location/ address

☐ **Testing procedure: WMT**

Tested by (name + signature)

Witnessed by (name + signature):

Approved by (name + signature):

Testing location/ address

☐ **Testing procedure: SMT**

Tested by (name + signature)

Approved by (name + signature):

Supervised by (name + signature):

Testing location/ address

☐ **Testing procedure: RMT**

Tested by (name + signature)

Approved by (name + signature):

Supervised by (name + signature):

Testing location/ address



Summary of testing:	
Tests performed (name of test and test clause): Clause 8, 9, 10, 11, 12, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29	Testing location: TSE Ankara Electrotechnical Laboratory, Necatibey Caddesi No: 112 Bakanlıklar/ ANKARA
Summary of compliance with National Differences: TS 40 / PLUGS AND SOCKET OUTLETS FOR HOUSEHOLD AND SIMILAR PURPOSES--STANDARD SHEETS (TS 40 / Sheet 7 = CEE 7: Sheet III)	
Copy of marking plate :	



Test item particularsStandard Sheet : **(TS 40 / Sheet 7 = CEE 7: Sheet III)**Rated current (A) / Rated voltage (V) : **16A 250V ~**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 : **rewirable**Type of cable : **HO5VV-F (ÜNAL KABLO)**Nominal cross-sectional areas (mm²) : **3x1,00 mm²**Type of terminals : **--**Type of connections : **--****Socket-outlets:**Degree of protection against electric shock : **--**Existence of shutters : **--**Method of application / mounting of the
socket-outlet : **--**Method of installation : **--**Intended for circuits where : **--****Plugs:**Class of equipment : **16A, 250V (ÜNAL KABLO)****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 : **09.07.2014**Date (s) of performance of tests : **04.08.2014 - 25.08.2014****General remarks:**

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

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"(see Enclosure #)" refers to additional information appended to the report.

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

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

This report is prepared according to 10/10/2014 dated and 232779 / 10-14 numbered Turkish report.



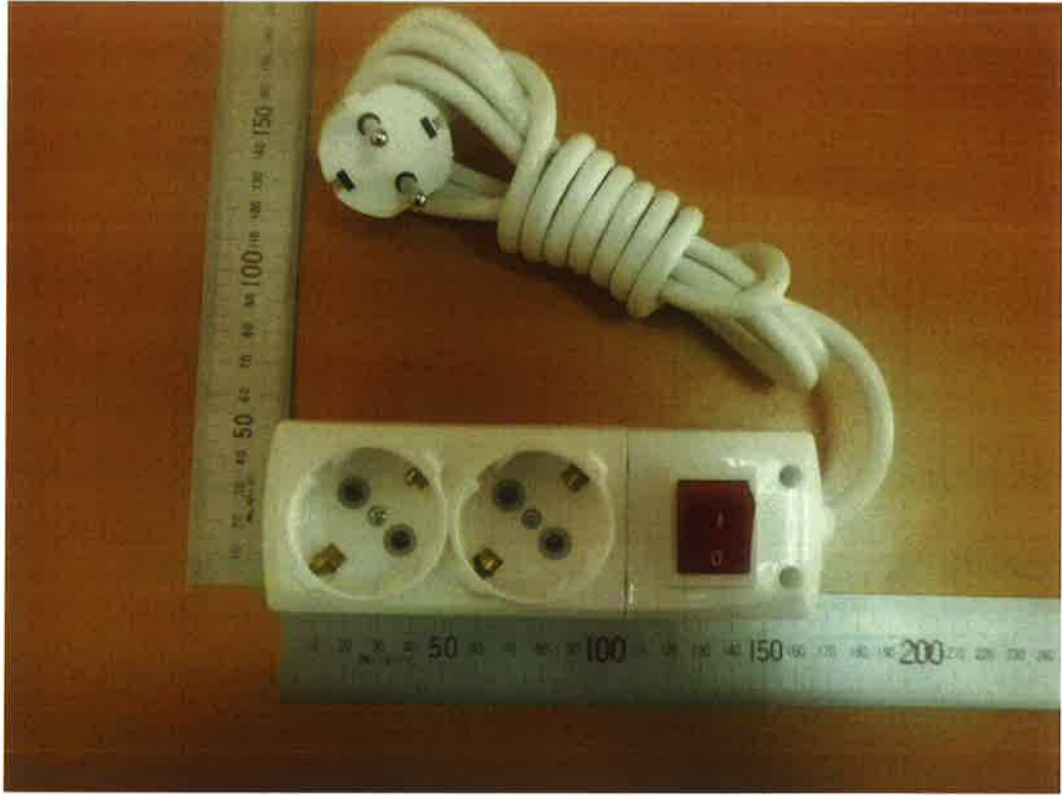
General product information:**TABLE 1**

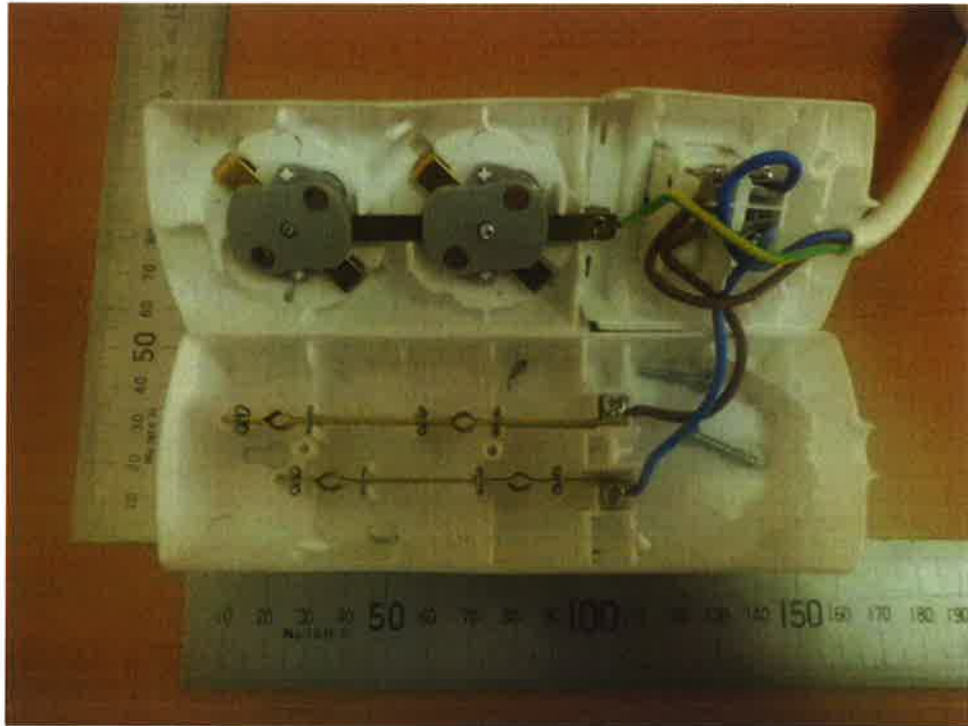
TYPE REFERENCE	SPECIFICATIONS
9201XX (without switch)	16A, 250V ~, normal protection, rewirable, without shutters, with and without switch, with side earthing contact, 2-way portable socket-outlets
9211XX (with switch)	
9301XX (without switch)	16A, 250V ~, normal protection, rewirable, without shutters, with and without switch, with side earthing contact, 3-way portable socket-outlets
9311XX (with switch)	
9401XX (without switch)	16A, 250V ~, normal protection, rewirable, without shutters, with and without switch, with side earthing contact, 4-way portable socket-outlets
9411XX (with switch)	
9601XX (without switch)	16A, 250V ~, normal protection, rewirable, without shutters, with and without switch, with side earthing contact, 6-way portable socket-outlets
9611XX (with switch)	

XX Specifies the cable length**Component Table**

Component	Manufacturer/Brand	Technical Specifications	Conformity
PLUG	ÜNAL KABLO	16A 250 V ~	TSE
CABLE	ÜNAL KABLO	HO5VV-F 3G1,00 mm ²	TSE
SWITCH	DE-PA	16A 250 V ~	TSE

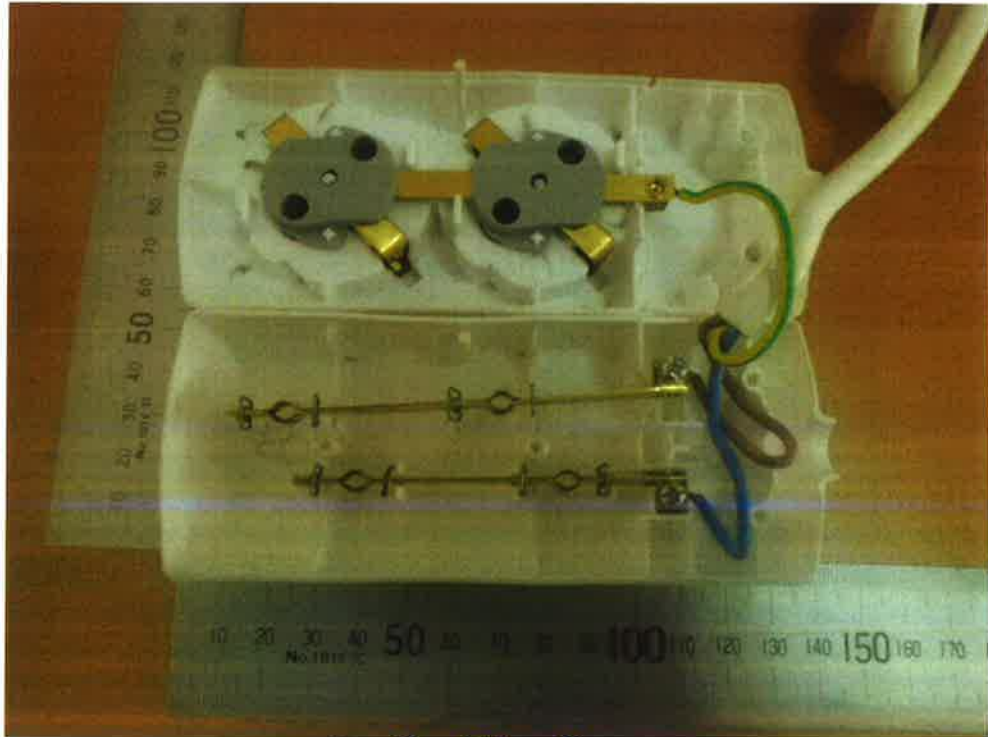


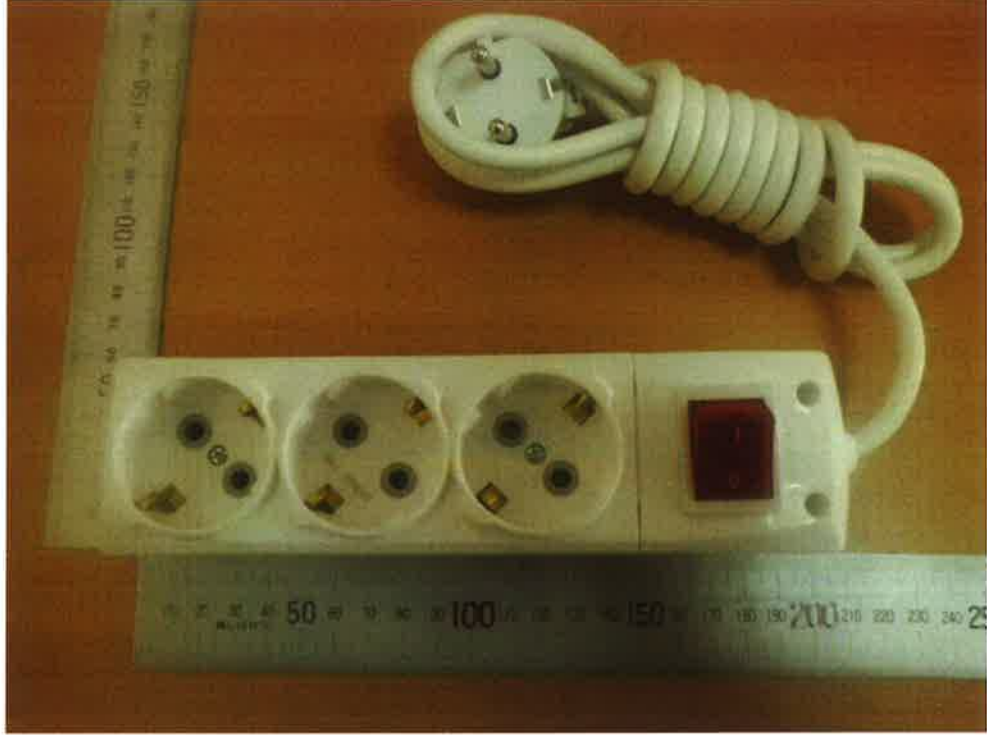


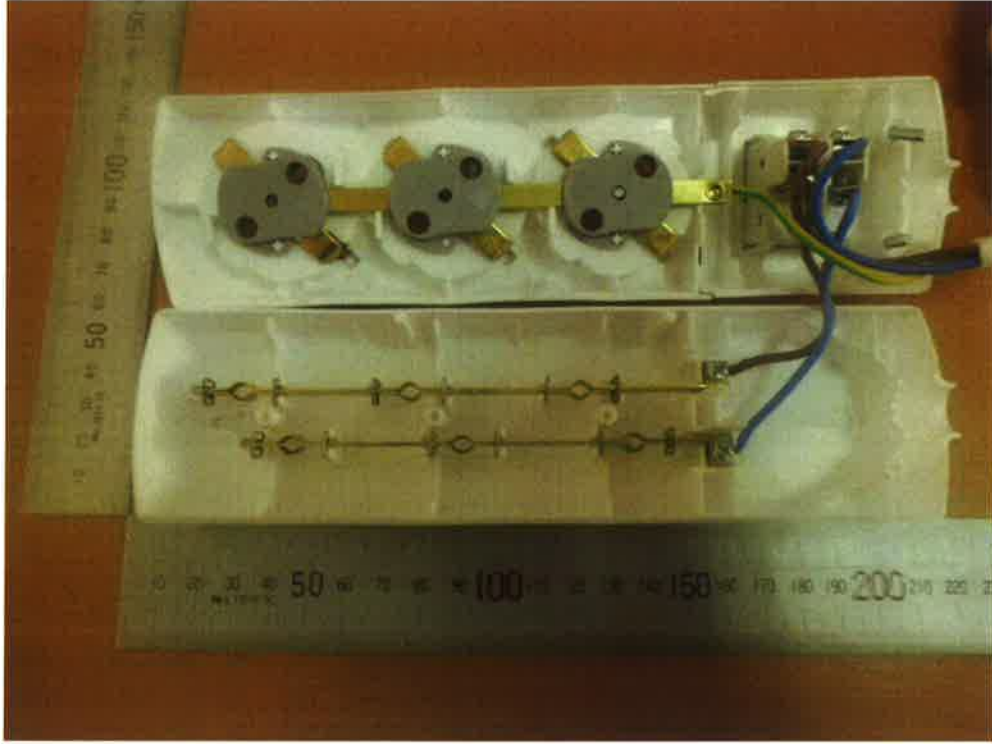


9211XX

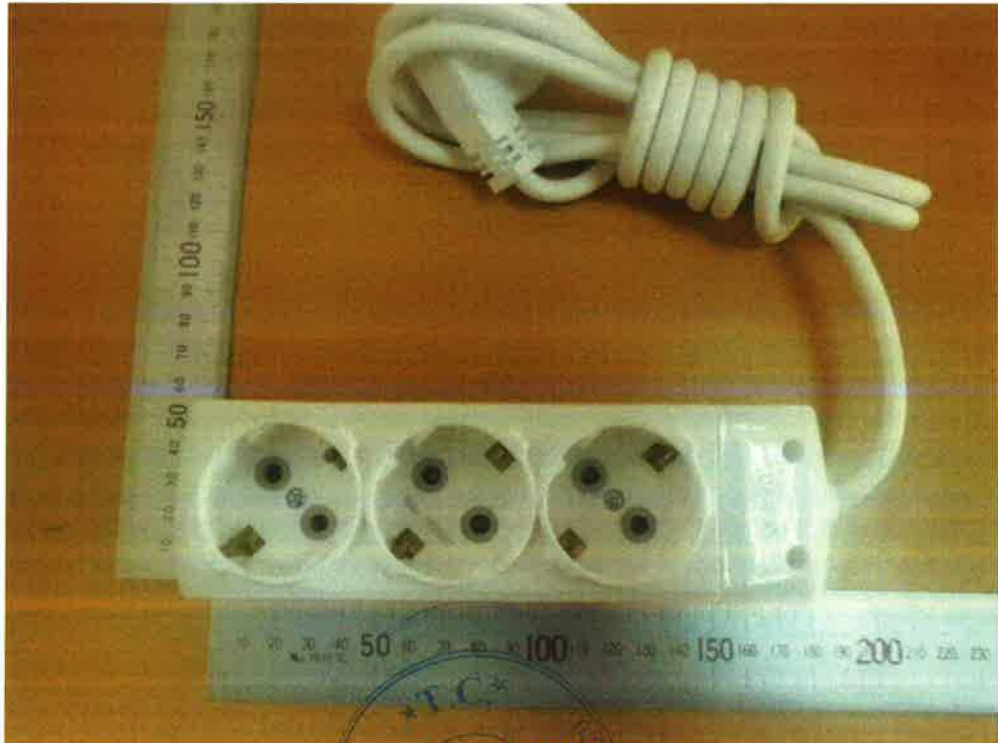


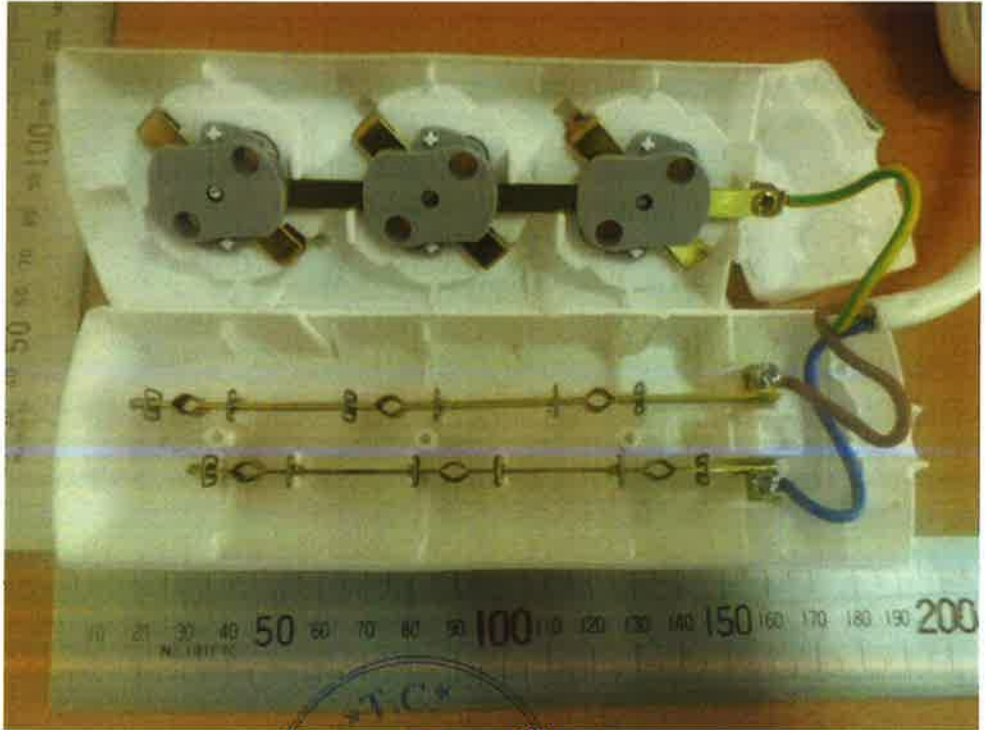
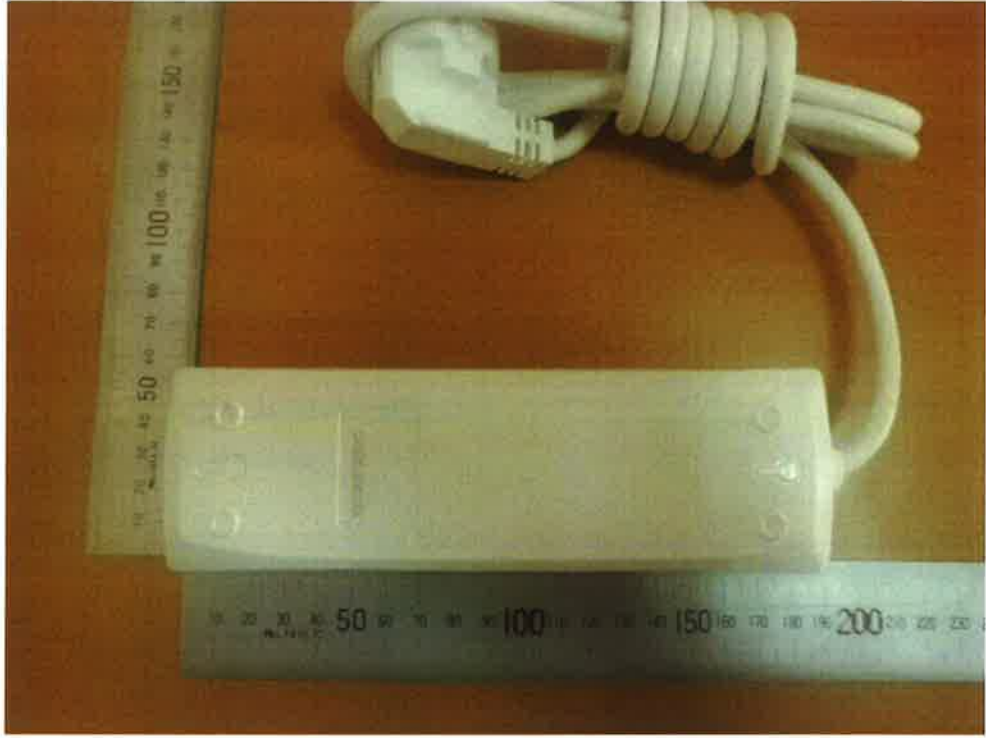


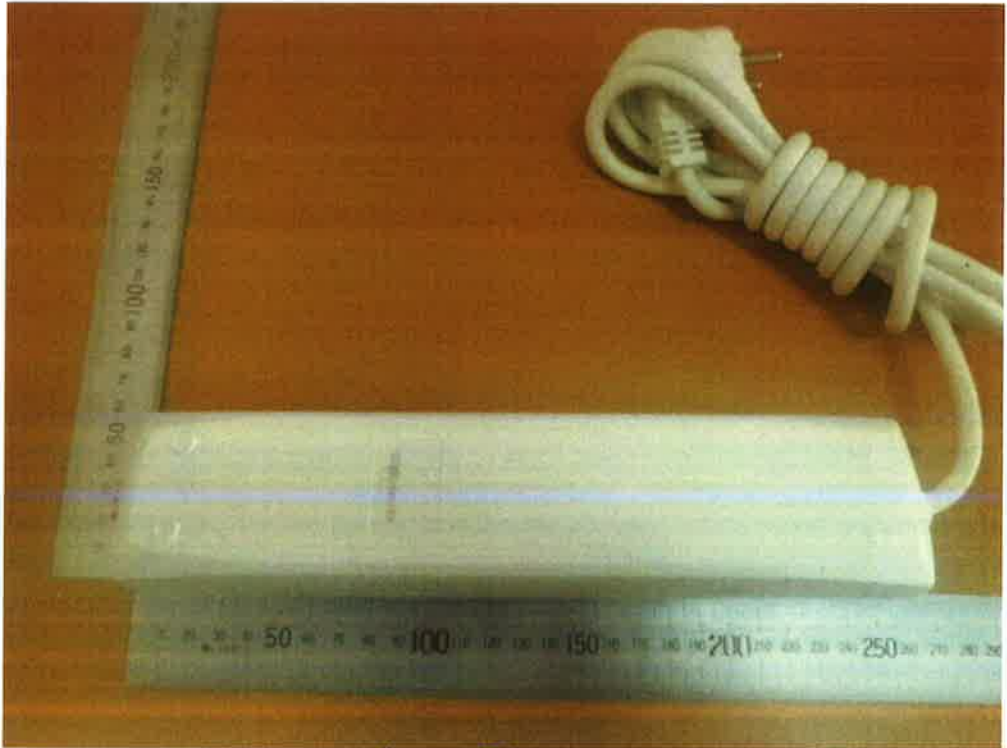
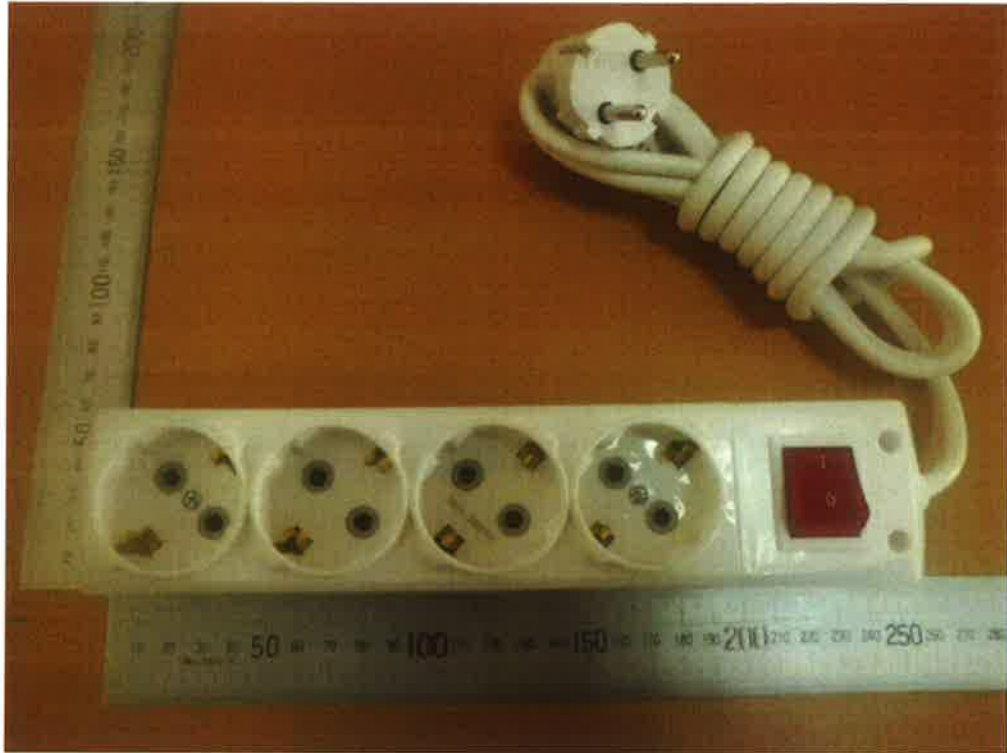


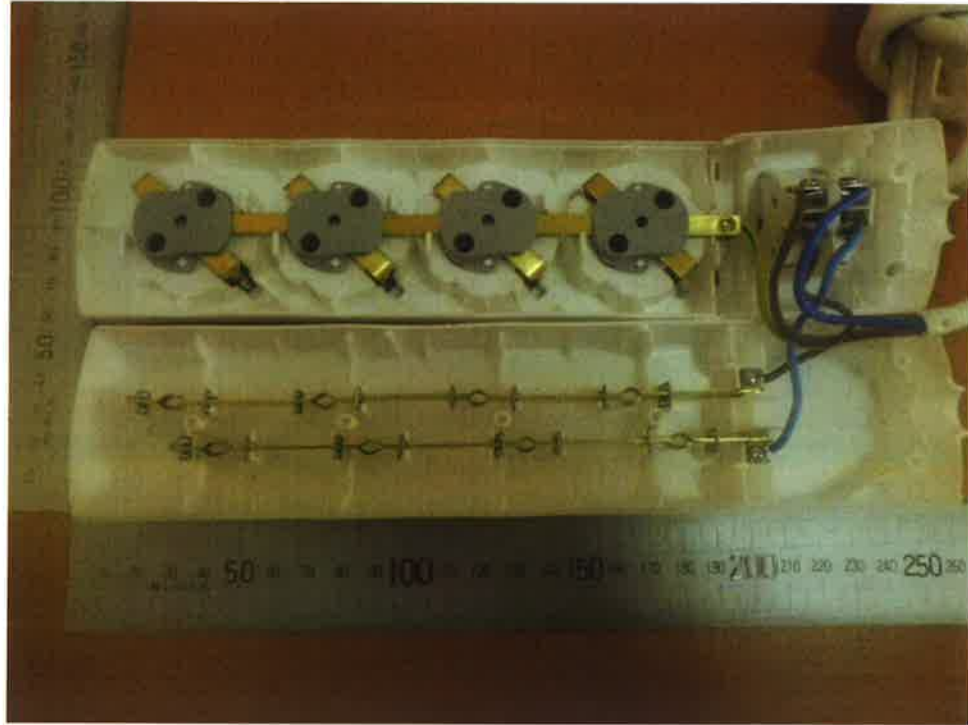


9311XX



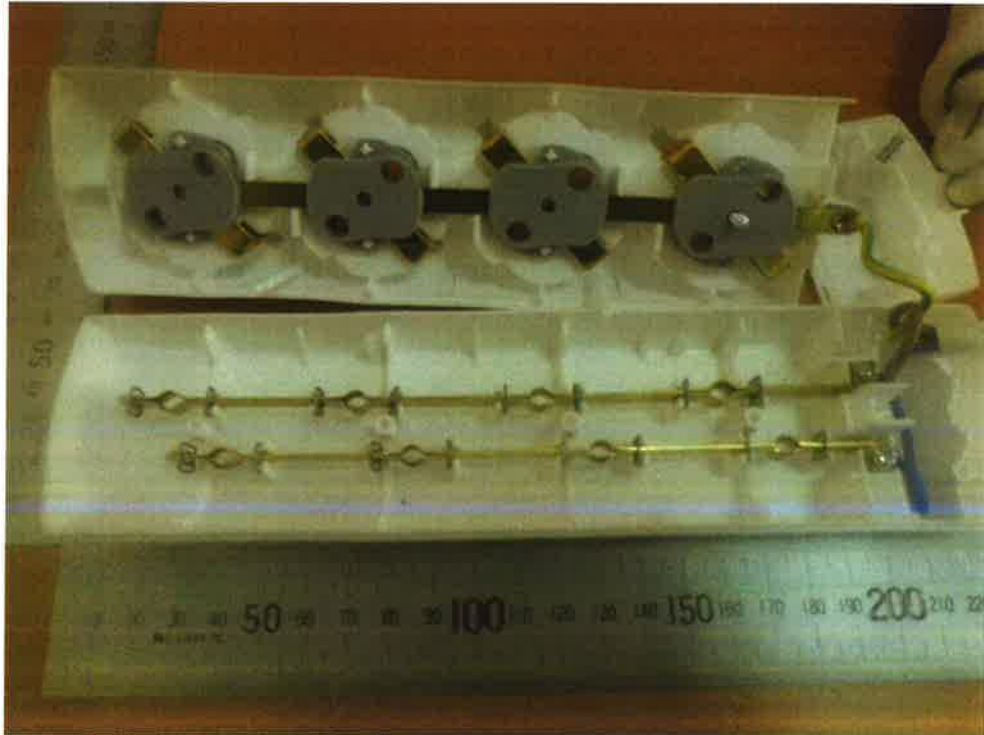
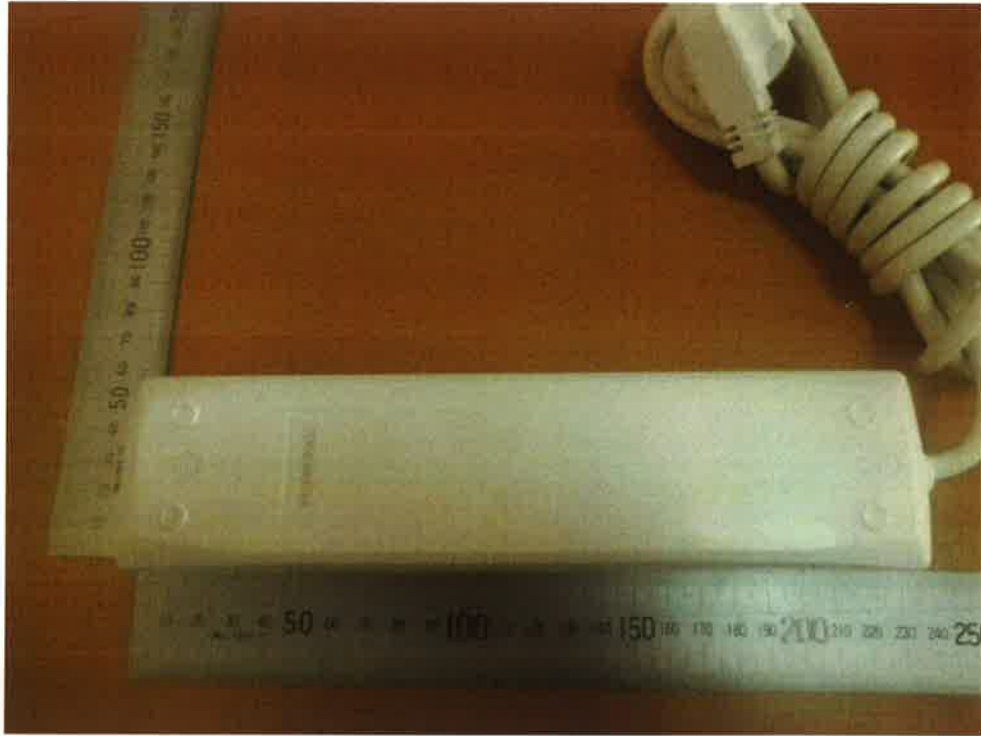


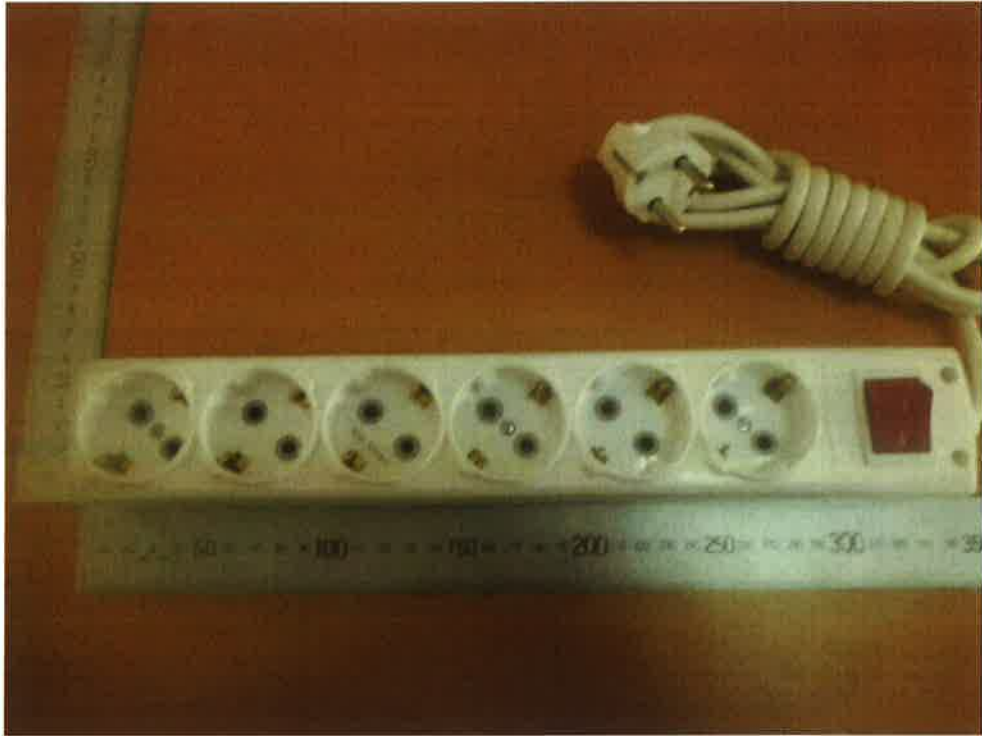


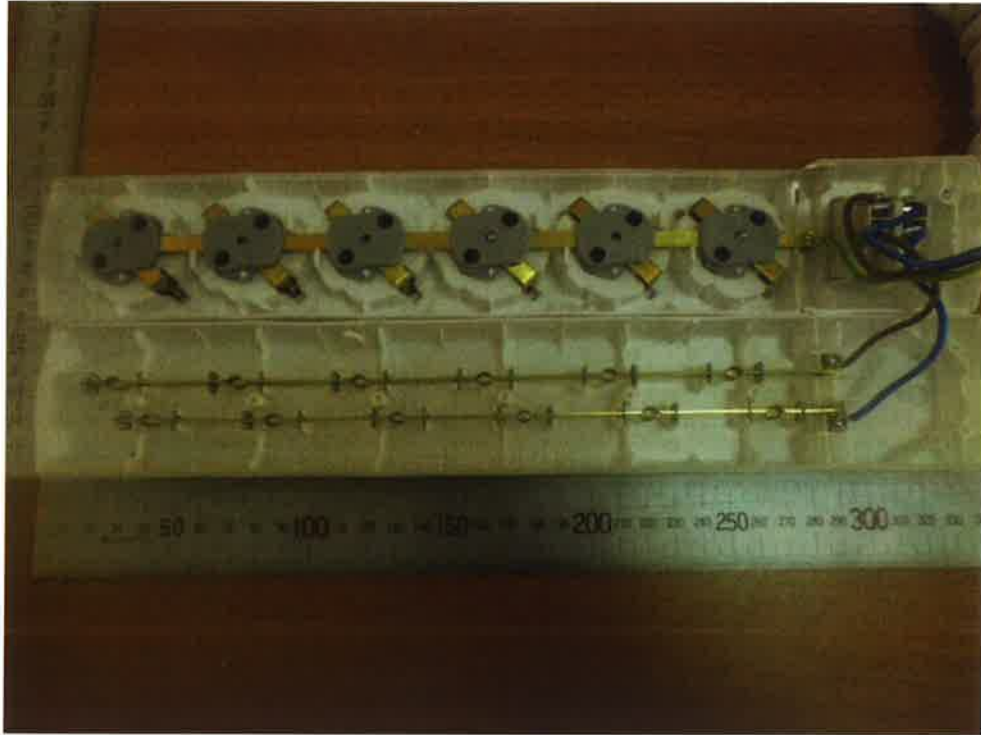


9411XX



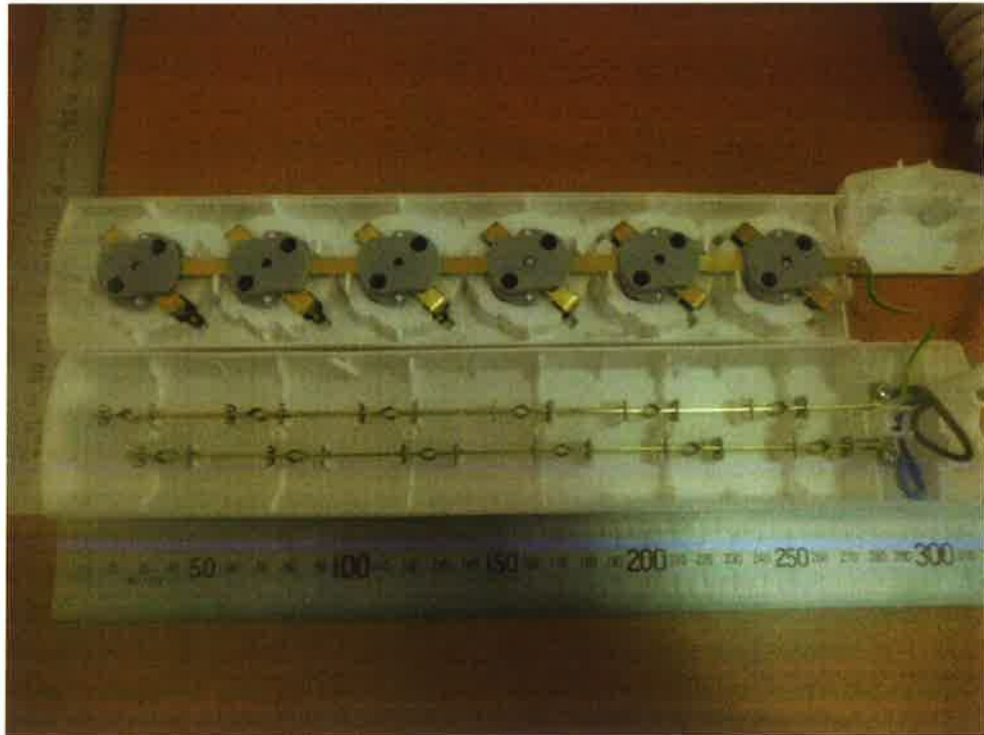






9611XX





8	MARKING		
8.1	Accessories marked as follows:		
	- rated current (A)	16A	P
	- rated voltage (V)	250V	P
	- symbol for nature of supply	~	P
	- manufacturer's or responsible vendor's name	DE-PA	P
	- type reference	Table 1	P
	- symbol for degree of protection (first digit)		N/A
	- symbol for degree of protection (second digit)		N/A
	Socket-outlets with screwless terminals marked with the following:		
	- 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:		
	- 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
	- 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
	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]		P
	Markings not placed on screws or other easily removable parts		P
	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 IP>20: 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 easily legible. Test: 15 s with water and 15 s with petroleum spirit		P

9	CHECKING OF DIMENSIONS		
9.1	Accessories and surface-type mounting boxes comply with the appropriate standard sheets and corresponding gauges, if any	See Annex	P
	Insertion of plugs into fixed or portable socket-outlets ensured by their compliance with the relevant standard sheets		P
	Compliance checked by measurement and by means of gauges with manufacturing tolerances as shown in table 2	See Annex	P
9.2	It is not possible to engage a plug with:		
	- a socket-outlet having a higher voltage rating or a lower current rating;		P
	- a socket-outlet with a different number of live poles (exception admitted provided that no dangerous situation can arise);		P
	- a socket-outlet with earthing contact (plug for class 0 equipment).		P
	Engagement of a plug for class 0 or class I equipment with a socket-outlet designed to accept plugs for class II equipment, not possible		P
	Impossibility of insertion checked by applying a gauge, for 1 min, with a force of:		
	- 150 N (rated current ≤ 16A);		N/A
	- 250 N (rated current > 16A)		N/A
	Accessories with elastomeric or thermoplastic material: test carried out at $(35 \pm 2) ^\circ\text{C}$.		N/A



9.3	Deviations from standard sheets made only if they provide technical advantage and do not affect the purpose and safety of accessories complying with standard sheet		N/A
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10	PROTECTION AGAINST ELECTRIC SHOCK		
10.1	Socket-outlets: live parts not accessible		P
	Live parts of plugs: not accessible when the plug is in partial or complete engagement with a socket-outlet		P
	Test with test probe B of IEC 61032		P
	Accessories with elastomeric or thermoplastic material: additional test carried out at $(35 \pm 2) ^\circ\text{C}$ with test probe 11 of IEC 61032 (75 N for 1 min)	75N, 1 Minute	P
	During the test: accessories not deform and no live parts accessible		P
	Plugs and portable socket-outlets pressed with a force of 150 N for 5 min as shown in figure 8: specimens not show deformation		P
10.2	Accessible parts (with exception of small screws and the like for fixing bases and covers or cover plates): made of insulating material		P
	Cover or cover plates of fixed socket-outlets and accessible parts of plugs and portable socket-outlets: made of metal if the requirements of 10.2.1 or 10.2.2 are fulfilled		N/A
10.2.1	Metal covers or cover plates protected by supplementary insulation made by insulating linings or insulating barriers		N/A
	Insulating linings or insulating barriers cannot be removed without being permanently damaged		N/A
	Insulating linings or insulating barriers cannot be replaced in an incorrect position and, if they are omitted, accessories are rendered inoperable or manifestly incomplete		N/A
	There is no risk of accidental contact between live parts and metal covers or cover plates		N/A
10.2.2	Metal covers or cover plates automatically connected, through a low-resistance connection, to the earth during fixing		N/A
10.3	Contact between a pin of a plug and a live socket-contact of a socket-outlet not possible while any other pin is accessible		P
	Compliance checked by manual test and by means of gauges with tolerances as specified in table 2		P
	Accessories with elastomeric or thermoplastic material: test carried out at $(35 \pm 2) ^\circ\text{C}$		P
	Socket-outlets with enclosure or bodies of rubber or polyvinyl chloride: test carried out with a force of 75 N for 1 min		P



	Fixed socket-outlets provided with metal covers or cover plates: clearance of at least 2 mm required between a pin and a socket-contact when another pin(s) is(are) in contact with the metal covers or cover plates (mm).....:		N/A
10.4	External parts of plugs made of insulating material		N/A
	Overall dimensions of rings around pins not exceed 8 mm concentric with respect to the pin		N/A
10.5	Shuttered socket-outlets: live parts not accessible, without a plug in engagement, with the gauges shown in figure 9 and 10		N/A
	Live contacts automatically screened when the plug is withdrawn		N/A
	Means cannot easily be operated by anything other than a plug and not depend upon parts which are liable to be lost		N/A
	Gauge of figure 9, applied to the entry holes corresponding to live contacts with a force of 20 N, for approximately 5 s, successively in three directions, does not touch live parts		N/A
	Steel gauge of figure 10, applied to the entry holes corresponding to live contacts with a force of 1 N for approximately 5 s, in three directions, does not touch live parts		N/A
	Accessories with elastomeric or thermoplastic material: test carried out at $(35 \pm 2) ^\circ\text{C}$		N/A
10.6	Earthing contacts of a socket-outlet designed that they cannot be deformed by the insertion of a plug		P
	Test plug inserted into the socket-outlet with a force of 150 N for 1 min		
	After this test: socket-outlet still comply with the requirements of clause 9		P
10.7	Socket-outlet with increased protection: live parts not accessible		N/A
	Test wire of 1 mm diameter (figure 10) applied with a force of 1 N on all accessible surfaces does not touch live parts		N/A
	Accessories with elastomeric or thermoplastic material: test carried out at $(35 \pm 2) ^\circ\text{C}$		N/A

11	PROVISION FOR EARTHING		
11.1	Earth connection made before the current-carrying contacts of the plug become live		P
	Current-carrying pins are separated before the earth connection is broken		P
11.2	Earthing terminals of rewirable accessories comply with clause 12		P
	Earthing terminals of the same size as the corresponding terminals for the supply conductors		P
	Earthing terminals of rewirable accessories: internal		P

	Additional external earthing terminal of fixed socket-outlets of size suitable for conductors of at least 6 mm ²		N/A
	Earthing terminals of fixed socket-outlets: fixed to the base or to a part reliably fixed to the base		N/A
	Earthing contacts of fixed socket-outlets:		N/A
	- fixed to the base, or		N/A
	- fixed to the cover (reliably connected to the earthing terminals; contact pieces silver plated or with adequate protection)		N/A
	Parts of earthing circuit in one piece or reliably connected by riveting, welding, or the like		P
11.3	Accessible metal parts of fixed socket-outlets: permanently and reliably connected to the earthing terminal		N/A
11.4	Socket-outlets, having an IP>X0, with enclosure of insulating material and more than one cable inlet, provided with:		
	- an internal fixed earthing terminal, or		N/A
	- adequate space for a floating terminal (test connection using the type of terminal specified by the manufacturer), unless		N/A
	- earthing terminal of socket-outlet itself allows the connection of an incoming and an outgoing earthing conductor		N/A
11.5	Connection between earthing terminal and accessible metal parts: of low resistance		N/A
	Test current equal to 1,5 times the rated current or 25 A (A)		
	Resistance not exceed 0,05 Ω (Ω)		N/A
11.6	Fixed socket-outlets according to item b) of 7.2.5: earthing socket contact and its terminal electrically separated from any metal mounting means or other exposed conductive parts which may be connected to the protective earthing circuit of the installation		N/A

12	TERMINALS AND TERMINATIONS		
	All the test on terminals, with the exception of the tests of 12.3 11 and 12.3.12, made after the test of clause 16		P
12.1	General		
12.1.1	Rewirable fixed socket-outlets provided with screw-type terminals or with screwless terminals		N/A
	Rewirable plugs and portable socket outlets provided with terminals with screw clamping		P
	Pre-soldered flexible conductors used: pre-soldered area outside the clamp area of screw-type terminals		N/A



	Clamping means of terminals: not serve to fix any other components		P
12.1.2	Non-rewirable accessories provided with soldered, welded, crimped or equally effective permanent connections (termination)		P
	Screwed or snap-on connections not used		P
	Connections made by crimping a pre-soldered flexible conductor not permitted		P
12.2	Terminals with screw clamping for external copper conductors		
12.2.1	Accessories provided with terminals which allows the proper connection of copper conductors as shows in table 3		P
	Rated current (A); Type of accessories	16A	
	Type of conductor (rigid / flexible)	Flexible	
	Smallest / largest cross-sectional area (mm ²) ..	0,75mm ² / 1,50 mm ²	
	Diameter of the largest conductor (mm)	1,73 mm	
	Figure of terminal	2	
	Minimum diameter D (minimum dimensions) of conductor space: required (mm); measured (mm)	2,50 mm / 3,00 mm	P
12.2.2	Terminals allow the conductor to be connected without special preparation		P
12.2.3	Terminals have adequate mechanical strength		P
	Screws and nut for clamping the conductors have metric ISO thread or a comparable thread		P
	Screws not of soft metal such as zinc or aluminium		P
12.2.4	Terminals resistant to corrosion		P
12.2.5	Terminals clamp the conductor(s) without undue damage	See appended table 12.2.5	P
	During the test: conductor not slip out, no break near clamping unit and no damage		P
12.2.6	Terminals clamp the conductor reliably between metal surfaces	See appended table 12.2.6	P
	During the test: conductor not move noticeably		P
12.2.7	Terminals designed or placed that the conductor cannot slip out while the clamping screws or nuts are tightened	See appended table 12.2.7	P
	After the test: no wire of the conductor escaped from the clamping unit		P
12.2.8	Terminals not work loose from their fixing to accessories		P
	Torque test (screws and nuts tightened and loosened 5 times):		
	- rated current (A)	16A	
	- copper conductor of the largest cross-sectional area (mm ²) (table 3)	1,5 mm ²	
	- type of conductor (solid or stranded)		



	- torque (Nm) (table 6 or appropriate figures 2, 3 or 4) :	0,5 Nm	
	During the test: terminals not work loose and show no damage		P
12.2.9	Clamping screws or nuts of earthing terminals: adequately locked against accidental loosening, not possible to loosen them without the aid of a tool		P
12.2.10	Earthing terminals: no risk of corrosion		P
	Body of brass or other metal no less resistant to corrosion		P
	The body is a part of a frame or enclosure of aluminium alloy: precautions are taken to avoid the risk of corrosion		N/A
12.2.11	Pillar terminals: distance g no less than the value specified in figure 2: required (mm); measured (mm) :	1,50 mm ; > 1,50 mm	P
	Mantle terminals: distance g no less than the value specified in figure 5: required (mm); measured (mm) :		N/A
12.3	Screwless terminals for external copper conductors		
12.3.1	Screwless terminals of the type suitable for:		
	- for rigid copper conductors only, or		N/A
	- for both rigid and flexible copper conductors (tests carried out with rigid and then repeated with flexible conductors)		N/A
12.3.2	Screwless terminals provided with two clamping units each allowing the proper connection of rigid or of rigid and flexible conductors having nominal cross-sectional areas from 1,5 up to 2,5 mm ² (table 7)		N/A
	Two conductors to be connected: each conductor introduced in a separate clamping unit		N/A
12.3.3	Screwless terminals allow the conductor to be connected without special preparation		N/A
12.3.4	Parts of screwless terminals intended for carrying current of materials as specified in 26.5		N/A
12.3.5	Screwless terminals clamp specified conductors with sufficient contact pressure without undue damage to the conductor		N/A
	Conductor clamped between metal surfaces		N/A
12.3.6	It is clear how the connection and disconnection of the conductors is to be made		N/A
	Disconnection of a conductor require an operation, other than a pull, so that can be made manually with or without a general-purpose tool		N/A
	It is not possible to confuse the opening intended for the use of a tool with the opening intended for the conductor		N/A
12.3.7	Screwless terminals intended for the interconnection of two or more conductors:		N/A



Handwritten signature or mark.

	- during insertion, operation of clamping means of one of the conductors is independent of operation of that for the other conductor(s);		N/A
	- during disconnection, conductors can be disconnected either at the same time or separately;		N/A
	- each conductor introduced in a separate clamping unit.		N/A
	- it is possible to clamp securely any number of conductors up to the maximum as designed. Number of conductors; Nominal cross-sectional area (mm ²)		N/A
12.3.8	Screwless terminals of fixed socket-outlets: adequate insertion obvious and over-insertion prevented		N/A
12.3.9	Screwless terminals properly fixed to the socket-outlets		N/A
	Not work loose when conductors are connected or disconnected		N/A
	Self-hardening resins used to fix terminals not subject to mechanical stress		N/A
12.3.10	Screwless terminals withstand mechanical stresses occurring in normal use	See appended table 12.3.10	N/A
	During application of the pull conductor not come out of the terminal		N/A
	Additional test with apparatus shown in figure 11	See appended table 12.3.10	N/A
	During the test: conductors not moved noticeably in the clamping unit		N/A
	After these tests: neither terminals nor clamping means have worked loose and conductors show no deterioration		N/A
12.3.11	Screwless terminals withstand electrical and thermal stresses occurring in normal use	See appended table 12.3.11	N/A
	After the test: inspection show no changes		N/A
	Repetition of mechanical strength test according to 12.3.10	See appended table 12.3.11	N/A
	During application of the pull conductor not come out of the terminal		N/A
	Additional test with apparatus shown in figure 11	See appended table 12.3.11	N/A
	During the test: conductors not moved noticeably in the clamping unit		N/A
	After these tests: neither terminals nor clamping means have worked loose and conductors show no deterioration		N/A
12.3.12	Screwless terminals: connected rigid solid conductor remains clamped, even when deflected during normal installation	See appended table 12.3.12	N/A
13	CONSTRUCTION OF FIXED SOCKET-OUTLETS		N/A
14	CONSTRUCTION OF PLUGS AND PORTABLE SOCKET-OUTLETS		

14.1	Non-rewirable portable accessories:		
	flexible cable cannot be separated from the accessory without making it permanently useless		N/A
	Accessory cannot be opened by hand or by using a general purpose tool, for example a screwdriver used as such		N/A
14.2	Pins of portable accessories: adequate mechanical strength		N/A
	Test for pins not solid (made after clause 21): force of 100 N exerted on the pin, according to figure 14, for 1 min by means of a steel rod Ø 4,8 mm		N/A
	During the application of the force: reduction of the dimension of the pin not exceed 0,15 mm		N/A
	After removal of the rod: dimensions of the pin not changed by more than 0,06 mm		N/A
14.3	Pins of plugs:		
	- locked against rotation		N/A
	- not removable without dismantling the plug		N/A
	- adequately fixed in the body of the plug when the plug is wired and assembled as in normal use		N/A
	Earthing or neutral pins or contacts of plugs: not possible to arrange in an incorrect position		N/A
14.4	Earthing contacts and neutral contacts of portable socket-outlets:		
	- locked against rotation		P
	- removable only with the aid of a tool, after dismantling the socket-outlet		P
14.5	Socket-contact assemblies: sufficient resilience		P
	Parts of socket-contact assemblies:		
	- are not of insulating material except ceramic, or other material with no less suitable characteristics		P
	- ensure metallic contacts at least on two opposing sides of each pin		P
	Contact pressure of the contact tube does not depend on soldered connection only		P
14.6	Pins and socket-contacts: resistant to corrosion and abrasion		P
14.7	Enclosures of rewirable portable accessories: completely enclose terminals and ends of flexible cable		P
	Construction of rewirable accessories:		
	- conductors can be properly connected		P
	- cores not pressed against each other		P
	- cores of live conductor not pressed against accessible metal parts		P
	- core of earthing conductor not pressed against live parts		P



14.8	Rewirable portable accessories: terminal screws or nuts cannot become loose and fall out of position and establish an electrical connection between live parts and earthing terminal or metal parts		P
14.9	Rewirable portable accessories with earthing contact: ample space for slack of earthing (test)		P
	Non-rewirable non-moulded-on accessories with earthing contact: current-carrying conductors stressed before the earthing conductor if the flexible cable slips in its anchorage		N/A
14.10	Terminals of rewirable portable accessories and terminations of non-rewirable portable accessories: located and shielded that loose wires not present a risk of electric shock		P
	Non-rewirable moulded-on portable accessories: provided with means to prevent loose wires of a conductor from reducing the minimum isolation distance requirements		P
14.10.1	Rewirable accessories: test with 6 mm free wire		
	free wire of a conductor connected to a live terminal not touch any accessible metal part or able to emerge from the enclosure		P
	free wire of a conductor connected to an earthing terminal not touch a live part		P
14.10.2	Non-rewirable, non-moulded-on accessories: test with a free wire of length equivalent to the maximum designed stripping length declared by the manufacturer plus 2 mm		N/A
	free wire of a conductor connected to a live termination not touch any accessible metal part or reduce creepage distance and clearance below 1,5 mm to the external surface		N/A
	free wire of a conductor connected to an earth termination not touch any live part		N/A
14.10.3	Non-rewirable, moulded-on accessories:		
	Verification of means to prevent stray wires reducing the minimum distance through insulation to external accessible surface below 1,5 mm		N/A
14.11	Rewirable portable accessories:		
	- clear how relief from strain and prevention of twisting is intended to be effected		P
	- cord anchorage, or at least part of it, integral with or fixed to one of the component parts of the plug or portable socket-outlet		P
	- makeshift methods not used		P
	- cord anchorage suitable for the different types of flexible cable which may be connected to it, screws, if any: not serve to fix any other component		P



	- cord anchorages: of insulating material or provided with an insulating lining fixed to the metal parts		P
	- metal parts of cord anchorages, including clamping screws: insulated from the earthing circuit		P
14.12	Rewirable portable accessories and non-rewirable non-moulded on portable accessories: it is not possible to remove covers, cover-plates or parts of them intended to ensure protection against electric shock without the use of a tool		P
14.13	Covers of portable socket-outlets: bushings for entry holes for the pins not removable from the outside or detachable inadvertently from the inside		N/A
14.14	Screws intended to allow access to interior of the accessory: captive		P
14.15	Engagement face of plugs: no projections		N/A
14.16	Engagement face of portable socket-outlets: no projection		P
14.17	Portable accessories of IP>20: enclosed according to their IP classification		N/A
	Plugs having IP>20: adequately enclosed with the exception of the engagement face		N/A
	Portable socket-outlets having IP>20: adequately enclosed without a plug in engagement		N/A
	Lid springs (if any): of corrosion-resistant material (bronze or stainless steel)		N/A
14.18	Portable socket-outlets: means for suspension from a wall or other mounting surfaces not allow access to live parts		N/A
	No free openings between space intended for suspension means by which the socket-outlet is fixed to the wall, or other mounting surface and live parts		N/A
14.19	Combinations of portable accessories and switches, circuit-breakers or other devices comply with relevant individual IEC standards, if relevant combined product standard does not exist		P
14.20	Portable accessories: not integral part of lampholders		P
14.21	Plugs for equipment of class II:		
	- rewirable or non-rewirable		N/A
	- if part of a cord set: provided with a connector for equipment of class II		N/A
	- if part of a cord extension set: provided with a portable socket-outlet for equipment of class II		N/A
14.22	Components (switches and fuses) incorporated in accessories: comply with the relevant IEC standard		P
14.23	Plug-in equipment: not cause overheating of the pins or impose undue strain		N/A



	Plugs with rating above 16 A and 250 V: not integral part of other equipment		N/A
	Tests for two-pole plugs, with or without earthing contact, with rating up to and including 16 A and 250 V (plug of equipment inserted into a fixed socket-outlet complying with this standard):		
14.23.1	Socket-outlet connected to a supply voltage equal to 1,1 times the highest rated voltage of the equipment (V)		—
	Temperature rise of the pins after 1 h not exceed 45 K (K)		N/A
14.23.2	Additional torque applied to the socket-outlet in order to maintain the engagement face in the vertical plane not exceed 0,25 Nm (Nm)		N/A
14.24	Plugs can easily withdrawn by hand from the relevant socket-outlets		N/A
	Gripping surfaces are so designed that the plug can be withdrawn without having to pull the flexible cable		N/A
14.25	Membranes in inlet openings of portable accessorie: meet the requirements of 13.22 and 13.23		N/A

15	INTERLOCKED SOCKET-OUTLETS		N/A
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16	RESISTANCE TO AGEING, PROTECTION PROVIDED BY ENCLOSURES, AND RESISTANCE TO HUMIDITY		
16.1	Resistance to ageing		
	Accessories are resistant to ageing		P
	Portable socket-outlets: test plug as specified in Clause 20 inserted into the socket-outlets		P
	Accessories subjected to a test in a heating cabinet at $(70 \pm 2) ^\circ\text{C}$ for seven days (168 h)		P
	After the tests, the specimens show:		
	- no crack visible with normal or corrected vision without additional magnification		P
	- no sticky or greasy material		P
	- no trace of cloth (forefinger pressed with 5 N)		P
	- no damage		P
	Portable socket-outlets: contact pressure of the contact assembly checked as specified in subclause 22.2 with the single-pin gauge		P
16.2	Protection provided by enclosures		N/A
	Enclosures provide a degree of protection in accordance with the IP designation of the accessory		N/A