TEST REPORT

BS 5733: 2010 + A1: 2014

Specification for General requirements for electrical accessories

Report Reference No.....:	2407B0434SHA-001
Tested by (name and signature) .....:	Winfee Fu
Approved by (name and signature) ..:	Justin Zhang
Date of issue.....:	Aug.21, 2024
Testing Laboratory.....:	Intertek Testing Services (Shanghai FTZ) Co., Ltd.
Address.....:	Building No.86, 1198 Qinzhou Road (North), Shanghai 200233,
.....:	China
Applicant's name .....:	MORDIO ELECTRICAL CO., LTD.
Address.....:	Building 2, No.388, Binhai 13th Road, Longwan District, Wenzhou City, Zhejiang Province, China
Test specification:	
Standard .....:	BS 5733: 2010 + A1: 2014
Test procedure .....:	Testing
Test Report Form No.....:	BS5733V4
TRF Originator.....:	Intertek
Non-standard test method.....:	N/A
Master TRF.....:	Dated 2014-02
Test item description .....:	Telecom socket outlet, flush type
Trade Mark.....:	REEMACO, FUJIMEN, MeRall, RAYBES, Mas Gold, GOSIFE ELECTRIC, LGON LIFE GOES ON, BRASILUX, LECLERC, BJ, ARIES&SHINE, MORDIO, DANLIGHT, EGF, MELJAC, TOPELIGHTING.
Manufacturer.....:	Same as the applicant
Model/Type reference.....:	Total 8 models, see page 4 for details
Ratings.....:	N/A

Remark:

1. The samples for each group of testing were selected randomly from the samples provided by the manufacturer.
2. Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.

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Summary of testing:

According to applicant's requirements, products in this test report were evaluated according to BS 5733:2010+A1:2014 as far as possible.

Possible test case verdicts:

- test case does not apply to the test object ....: N/A (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.....: Jul.15, 2024

Date (s) of performance of tests.....: Jul.15, 2024 to Aug.21, 2024

General remarks:

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

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Factory information: same as the applicant.

Copy of marking plate:

F300-023 (as an example for type reference)

MORDIO

Note:

REEMACO, FUJIMEN, MeRall, RAYBES, Mas Gold, GOSIFE ELECTRIC, LGON LIFE GOES ON, BRASILUX, LECLERC, BJ, ARIES&SHINE, DANLIGHT, EGF, MELJAC, TOPELIGHTING as the alternative trade names.

Description of products:
TV coaxial, RJ11 telephone or RJ45 network socket outlet, flush type, IP20, with plastic cover, see below for details.

Differences between 8 models:
F300-015: 1 gang TV coaxial socket outlet;
F300-017: 1 gang RJ11 telephone socket outlet;
F300-018: 1 gang RJ45 network socket outlet;
F300-019: 2 gang RJ11 telephone socket outlets;
F300-020: 2 gang RJ45 network socket outlets;
F300-021: 1 gang RJ11 telephone socket outlet and 1 gang RJ45 network socket outlets;
F300-022: 1 gang TV coaxial socket outlet and 1 gang RJ11 telephone socket outlet;
F300-023: 1 gang TV socket outlet and 1 gang RJ45 network socket outlet.

Table of critical components and materials:

Items	Model No.	Manufacturer/ trade name	Technical data	Remark
Cover / base / outline border	-	Wenzhou Huayang Plastic Co., Ltd.	PC, Min. thickness 1,5 mm	Test with appliance
Metal frame	-	Kunpeng Electrical Technology Co., Ltd.	Zinc plated cold-rolled iron sheet	Test with appliance
Claw fixing fittings	-	Wenzhou Jusi Metal Co., Ltd.	Zinc plated cold-rolled iron	Test with appliance
RJ11 telephone module	CAT.3	Zhejiang Dongte Electronic Technology Co., Ltd.	IEC 61169-2	Self-declaration of manufacturer
RJ11 telephone module, alt.	CAT.3			
RJ45 module	CAT.6A		BS EN 60603-7	
TV coaxial socket outlet	-		IEC 61169-2	

BS 5733: 2010 + A1: 2014			
Clause	Requirement – Test	Result - Remark	Verdict
1	Scope		—
2	Normative reference		—
3	Definitions		—
4	Classification		—
	a1) fixed		P
	a2) portable		N/A
	b1) flush		P
	b2) surface		N/A
	b3) panel-mounting		N/A
	c1) rewirable		P
	c2) non-rewirable		N/A
	d1) fused		N/A
	d2) unfused		P
	e1) switched		N/A
	e2) unswitched		P
	f1) with provision for earthing		N/A
	f2) without provision for earthing		P
	g1) ordinary, IPX0		P
	g2) splash-proof, IPX4		N/A
	g3) jet-proof, IPX5		N/A
	h1) normal use		P
	h2) rough-use		N/A
	i) maintenance free		N/A
5	General requirements		—
6	Type testing		—
7	Ratings		—
7.1	Accessories had the following:		N/A
	a) Rated voltage		N/A
	b) Rated current		N/A
8	Marking		—
8.1	Information to the be marked on accessories		P
	a) trade mark / manufacturer	Refer to page 1	P

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Clause	Requirement – Test	Result - Remark	Verdict
	b) number of British Standard	Not required by client	N/A
	c) for rough-use accessories & portable socket - outlet, number of standard followed by		N/A
	d) terminal identification		P
	e) rated current		N/A
	f) rated voltage		N/A
	g) nature of supply		N/A
	h) for fused accessories, word		N/A
	i) IP no.		N/A
	j) size of cord anchorage		N/A
	k) for accessories incorporating screwless terminals, length of insulation to be removed		N/A
	l) maintenance free accessories		N/A
	m) for accessories incorporating screwless terminals, maximum conductor size is not in conformity with table 2		N/A
8.2	Safety information		N/A
	by marking on the accessory itself		N/A
	in instructions which may accompany		N/A
8.3	Visibility of marking		P
	marking specified in 8.1 were visible		P
	marking specified in 8.2, if on the accessory		N/A
8.4	Symbol for marking accessories		P
	- Amperes		N/A
	- Volts		N/A
	- AC		N/A
	- DC		N/A
	- Line		N/A
	- Neutral		N/A
	- Earth	⏚	N/A
	- On		N/A
	- Off		N/A

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Clause	Requirement – Test	Result - Remark	Verdict
	- Fuse		N/A
	- Cord / Cable size:		N/A
	- Maintenance free		N/A
8.5	Marking of rated current, voltage and nature of supply		—
	a) for a.c. accessories		N/A
	b) for d.c. accessories		N/A
	c) for dual voltage		N/A
	d) for different current of a.c. and d.c		N/A
	e) for different rating of a.c. and d.c		N/A
8.6	Inspection		—
	Conformity to clause 8.1 to 8.5.		P
8.7	Durability and legibility of markings		—
	Markings were not placed on screws, markers or other removable parts.		P
	When tested by this method, the marking did remain legible	~~Engraving~~ / Moulding / Labelling / Printing	P
9	Dimensions		—
	Where products have interchangeability with other standard, the relevant dimensions shall be within the tolerances specified	Min.79,0mm x 79,0mm. The distance between the two screws at centre of flush type socket outlets: 60,3mm.	P
	Standard no. ref. for measurement		N/A
10	Clearances, creepage distances and solid insulation		—
10.1	The distance between lead wires in the pinch of a neon lamp with external resistor shall be a minimum of 1mm		N/A
10.2	Clearances		—
10.2.1	Default pollution degree (Width X)	~~2 (1,0mm)~~	N/A
	Pollution degree declared by manufacturer (Width X)		N/A
	Default rated impluse voltage (overvoltage category)	~~4000V (III)~~	N/A

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Clause	Requirement – Test	Result - Remark	Verdict
	Declared rated impulse voltage (overvoltage category)		N/A
10.2.2	Clearances for basic insulation		N/A
10.2.3	Clearances for functional insulation		N/A
10.2.4	Clearances for supplementary insulation		N/A
10.2.5	Clearances for reinforced insulation		N/A
10.2.6	The minimum contact gap shall be 1,2mm in the open position		N/A
10.3	Creepage distances		—
10.3.1	Default pollution degree (Width X)	~~2 (1,0mm)~~	N/A
	Pollution degree declared by manufacturer (Width X)		N/A
	Min. CTI/PTI (material group)		N/A
	Declared material group	~~IIIa~~	N/A
	Corresponding CTI/PTI of declared material group	~~175≤ CTI/PTI <400~~	N/A
10.3.2	Creepage distances for basic insulation		N/A
10.3.3	Creepage distances for functional insulation		N/A
10.3.4	Creepage distances for supplementary insulation		N/A
10.3.5	Creepage distances for reinforced insulation		N/A
10.4	Solid insulation		N/A
10.4.1	No minimum thickness for solid insulation		N/A
	Basic, supplementary, reinforced solid insulation shall withstand the required impulse voltage declared by manufacturer of the accessory		N/A
	The insulation shall continue to conform to the electric strength test with clause 19.3		N/A
10.4.2	Impulse test voltage	~~4800V~~	N/A
	Electric strength test		—
	- Basic solid insulation	~~1500V~~	N/A
	- Supplementary solid insulation:		N/A
	During the test, no breakdown or flashover occurred		N/A

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Clause	Requirement – Test	Result - Remark	Verdict
10.4.3	Impulse test voltage		N/A
	Electric strength test		—
	- Reinforced solid insulation:	~~3000V~~	N/A
	During the test, no breakdown or flashover occurred		N/A
11	Accessibility of live parts		—
11.1	Accessories shall be so constructed and enclosed not contact with live parts		N/A
	When tested using test probe 11 applied with a force, in every position with smallest conductor		N/A
	no contact between the test probe and live part		N/A
	Test repeated with conductors of the largest c.s.a. no contact between the test probe & live parts		N/A
	For accessories incorporation (plug-pins/socket-contacts) not conforming British Standard, test probe 11 shall be applied		N/A
	no contact between test probe & live parts		N/A
11.2	Live parts protected by the shutters are not accessible with the test pin (fig. 8)		N/A
	Live parts are automatically screened by a shutter		N/A
	When tested by applying the test pin to each shutter with a force, applied perpendicular		N/A
	Not possible to touch live parts		N/A
11.3	a) Associated earthing plug-pin shall be prevented from making contact with a current carrying socket-contact		N/A
	b) Associated current-carrying plug-pin shall be prevented from making contact with a current-carrying socket-contact while any other plug pin is accessible.		N/A

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Clause	Requirement – Test	Result - Remark	Verdict
11.4	Earthing plug-pin shall make contact with earthing socket contact before the current-carrying plug-pins make contact with the current carrying socket-contacts.		N/A
	Earthing plug-pin shall break contact with earthing socket contact after the current-carrying plug-pins break contact with the current carrying socket-contacts.		N/A
11.5	For accessory intended to be inserted into accessory incorporating socket-contact and it is supplied with a flexible cord:		N/A
	The free end of the flexible cord shall be encapsulated in insulating material		N/A
11.6	For portable plug-in fused accessories, not possible to gain access to the fuse-link		N/A
11.7	Other fused accessories, possible to remove and replace the fuse-link safely.		N/A
	Instructions shall be provided		N/A
	Not possible to touch live parts with the test probe during removal or replacement of the fuse-link.		N/A
11.8	The base and cover of non-rewirable portable accessories shall be permanently attached		N/A
11.9	The base and cover of rewirable portable accessories shall be firmly secured to each other		N/A
	A pull shall be exerted upon each cover fixing screw for 60s at a temperature of 70 °C.		N/A
	Screw thread shall be capable of performing its intended function		N/A
	No insert shall have removed to such an extend		N/A
12	Provision for earthing		—
12.1 & 12.2	With the exception of accessories conforming to 12.2, provision shall be made for the effective earthing of all metal parts		N/A

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Clause	Requirement – Test	Result - Remark	Verdict
	The earthing resistance between earthing terminal and various parts shall be measured		—
	Parts / Measured (Ω) / limit: (Ω)		—
	a) accessible metal parts	≤ 0.05	N/A
	b) for plugs	≤ 0,05	N/A
	c) for socket-outlets	≤ 0,05	N/A
	d) for adaptors	≤ 0,05	N/A
	e) incoming and outgoing terminals	≤ 0,05	N/A
	f) earthing of cord	≤ 0,05	N/A
13	Construction		—
13.1	Current-carrying parts shall be made of brass		N/A
13.2	For sealing compounds		N/A
13.3	Boxes can not readily be deformed		N/A
	Can not be brought into contact with any live parts		N/A
	Did not allow access to any live parts		N/A
13.4	Boxes, not within the scope of other British Standards, shall conform to the relevant clauses of this standard		N/A
	Non-metallic boxes shall have provision for securing an earthing terminal and allow the proper connection of conductors		N/A
13.5	The internal connections shall be designed to maintain correct polarity		P
13.6	A length of insulation, of approximately 4mm, shall be removed from the end of a flexible conductor.		N/A
	The cross-sectional area of cord	mm^2	N/A
	One wire of the standard conductor shall be left free and the other wires fully inserted into the clamped in the terminal.		N/A
	The free wires shall be bent in every possible direction but without making sharp bends.		N/A

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Clause	Requirement – Test	Result - Remark	Verdict
	The free wire of the conductor connected to a live terminal shall not touch any live part that is accessible or is connected to an accessible metal part.		N/A
	Furthermore, the free wire of the conductor connected to a live terminal shall not reduce the creepage distances and clearances to accessible surfaces to less than 1.3mm.		N/A
	The free wire of a conductor connected to an earthing terminal shall not touch live part.		N/A
	Terminals of portable rewireable accessories, conductor escape but no risk of accidental connection between live parts and accessible external surfaces		N/A
	Or of a stray wire bypassing fuse-link		N/A
13.7	Fuse contacts shall be made from material conforming to 13.1 (brass).		N/A
	Fuse contacts shall conformed to 15.3.		N/A
	A solid link manufactured from stainless steel shall be used for the test of inherently resilient contact	~~BS 646 / BS1362~~	N/A
	After the test, the stainless steel solid test link shall be replaced by a solid link of negligible impedance having dimensions of (type b / type d / min. dimension according to their relevant standard sheets).		N/A
13.8	Switch contacts come to rest only in a state giving adequate contact of the contacts		N/A
	Switch contacts come to rest only in a state giving adequate separation of the contacts		N/A
13.9	Multi-pole switches constructed that all contacts make and break with one movement of the actuating member.		N/A

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Clause	Requirement – Test	Result - Remark	Verdict
13.10	Switches, other than those for a.c., shall be of the quick make and break (snap action) type		N/A
	The speed of contact making and breaking shall be independent of the speed at which the actuating member was operated.		N/A
13.11	The switch complied with clauses 18 & 19 of BS EN 60669-1:1999+A2		N/A
13.12	Socket-contacts shall withstand, without excessive wear or other harmful effects, the electrical and mechanical stresses occurring in use		P
	Tested at rated current at rated voltage		N/A
	Sockets shall be operated by mechanically withdrawing and inserting the plug	~~15000~~ / 300 times (infrequent use)	P
	After the test, the plug and socket device shall not show wear impairing its operation		P
	The inlet opening in the cover of the socket portion shall not show appreciable damage		P
	Shutters shall still operating satisfactorily and the socket-contacts safely shielded		N/A
	The plug and socket device conform to clause 19 and 20		N/A
13.13	For accessory incorporates fuse-link which may be withdrawn or replaced on load	V A	N/A
	The fuse contacts shall make and break the rated current, by insertion and removal of a solid link, in accordance with 13.7	10 times	N/A
	All metal parts not in contact with line contacts shall be to the earth pole of the test circuit		N/A
	After the test, the accessory shall be serviceable		N/A

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Clause	Requirement – Test	Result - Remark	Verdict
13.14	The female contacts and the contacts of a male connector of a lighting distribution unit shall withstand, the electrical and mechanical stresses occurring in use		N/A
	The male connector shall be operated by mechanically withdrawing and inserting the female contact with		N/A
	a) an inductive load	~~A; 100 times~~	N/A
	b) a tungsten filament lamps load	~~5 x 100W 250V; 100 times~~	N/A
	After the test, they shall not show wear impairing its operation		N/A
	The female contact and contact of male conform to clause 19 and 20		N/A
13.15	Maintenance free accessories incorporate screwless terminals complied with clauses 14.3 and 14.5 and cable clamps complied with clause 16		N/A
	Maintenance free accessories incorporate plug pins and socket contacts shall be provided with retaining means which engage automatically and capable of disengagement for disconnecting		N/A
	Maintenance free accessories not provided with other devices or components		N/A
13.16	For accessory incorporate plug pins shall not impose undue strains on fixed socket outlets		N/A
	Engagement with socket outlets complied with clauses 13.10 of BS 1363-3:1995+A3		N/A
14	Terminals and terminations		—
14.1	Rewireable accessories shall be provided with terminal having screw clamping		P
	Rewireable accessories shall be provided with screwless terminals		N/A

BS 5733: 2010 + A1: 2014			
Clause	Requirement – Test	Result - Remark	Verdict
	The means for clamping the conductors in the terminals shall not serve to fix other component		P
14.2	Terminals with screw clamping for copper conductors		—
14.2.1	Terminals shall properly connect copper conductors having nominal c.s.a.		P
14.2.2	Terminals with screw clamping, the conductor can be connected without special preparation except as permitted in 14.2.12.		P
14.2.3	Terminals with screw or nuts for clamping conductors shall have an ISO metric thread or a thread comparable in pitch and mechanical strength.		P
	Screws shall not be of metal which was soft or liable to creep. (Refer tests of 14.2.6 and 14.2.8)		P
14.2.4	Terminals with screw clamping shall be resistant to corrosion.		P
14.2.5	Terminals with screw clamping, clamped the conductors without undue damage	For terminals of coaxial socket outlet: coaxial cable	P
	The terminal shall be fitted with a rigid conductors, first with the smallest c.s.a.	For terminals of coaxial socket outlets: 0,52mm² (Ø 0,81mm, coaxial cable)	P
	The clamping screws or nuts being tightened	0,4Nm	P
	Each conductor in turn shall be subjected separately to two circular motion as specified in the standard.	H=250mm	P
	During the circular motion, the conductor shall be subjected to a pull (see table 4).	20N for 0,52mm² (Ø 0,81mm, coaxial cable)	P
	No conductor come out		P
	No break at the terminal		P
	The terminal shall be then fitted with a rigid conductors, with the largest c.s.a.	For terminals of coaxial socket outlet: 0,82mm² (Ø 1,02mm, coaxial cable)	P
	the clamping screws or nuts being tightened	0,4Nm	P

BS 5733: 2010 + A1: 2014			
Clause	Requirement – Test	Result - Remark	Verdict
	Each conductor in turn shall be subjected separately to two circular motion as specified in the standard.	H=250mm	P
	During the circular motion, the conductor shall be subjected to a pull (see table 4).	30N for 0,82mm² (Ø1,02mm, coaxial cable)	P
	No conductor come out		P
	No break at the terminal		P
14.2.6	Terminals with screw clamping, clamped the conductor securely and between metal surfaces.	For terminals of coaxial socket outlet: coaxial cable	P
	The test shall be carried out with conductors of the smallest c.s.a.	For terminals of coaxial socket outlets: 0,52mm² (Ø 0,81mm, coaxial cable)	P
	The terminal screws being tightened with a torque (2/3 × value from table 3).	0,27Nm	P
	Each conductor shall be then subjected to a pull (from table 4)	20N for 0,52mm² (Ø 0,81mm, coaxial cable)	P
	No conductor move noticeably in the terminal		P
	The test shall be carried out with conductors of the largest c.s.a.	For terminals of coaxial socket outlet: 0,82mm² (Ø 1,02mm, coaxial cable)	P
	The terminal screws being tightened with a torque (2/3 × value from table 3).	0,27Nm	P
	Each conductor shall be then subjected to a pull (from table 4)	30N for 0,82mm² (Ø 1,02mm, coaxial cable)	P
	No conductor move noticeably in the terminal		P
14.2.7	Terminals with screw clamping, neither a rigid solid conductor nor a wire of a stranded conductor nor a strand of flexible conductor can slip out	For terminals of coaxial socket outlet: coaxial cable	P
	The terminals shall be fitted with rigid conductors or flexible conductors having the largest c.s.a.	For terminals of coaxial socket outlet: 0,82mm² (Ø 1,02mm, coaxial cable)	P
	Terminal intended for the connection of rigid conductors shall be checked with solid conductors and with stranded conductors.		P

BS 5733: 2010 + A1: 2014			
Clause	Requirement – Test	Result - Remark	Verdict
	Terminal intended for the looping-in of two or three conductors shall be checked and fitted with the max. permissible number of conductors.		N/A
	The conductor(s) shall be installed in the clamping part of the terminal in a manner appropriate to the terminal design.		P
	The clamping screw shall be tightened with a torque (2/3 × value from table 3).	0,27Nm	P
	After the test, no conductor shall have escaped from the retaining device of the clamping part		P
14.2.8	Terminals with screw clamping shall be so fixed or located within the accessory	For terminals of coaxial socket outlet: coaxial cable	P
	When the clamping screws are tightened, or loosened, the terminals shall not work loose from their fixings to the accessory		P
	A solid rigid copper conductor of the largest c.s.a. shall be placed in the terminal.	For terminals of coaxial socket outlet: 0,82mm² (Ø 1,02mm, coaxial cable)	P
	The screws under the test shall be tightened and loosened five times, applying torque (see table 3).	0,4Nm	P
	A new conductor end shall be used each time the screw is loosened.		P
	After the test, terminals shall not work loose		P
	No damage that impaired the further use of the terminals.		P
14.2.9	Clamping screws of earthing terminals with screw clamping shall be designed to resist accidental loosening		P
	And it shall not be possible to loosen them without the aid of a tool.		P
14.2.10	Earthing terminals shall be of the materials specified in 15.5		N/A

BS 5733: 2010 + A1: 2014			
Clause	Requirement – Test	Result - Remark	Verdict
14.2.11	For pillar terminals, the distance between the clamping screw and the end of the conductor, when fully inserted (Fig. 1)	Only connect coaxial cable	N/A
	For mantle terminals, distance (Fig. 5)	mm	N/A
14.2.12	Lug terminal shall be used, (≥ 45A)	A	N/A
14.3	Screwless terminals for copper conductors		N/A
14.4	Terminations for non-rewirable accessories		—
	Provided with soldered, welded, crimped or similar terminations		N/A
	Crimped connections not pre-soldered		N/A
	No more than one strand or 5% fractured during connection		N/A
	Tested by exerting a pull in the longitudinal axis	N	N/A
	No deterioration of joints		N/A
14.5	Terminals for use within maintenance free accessories		N/A
15	Screws, current-carrying parts and connections		—
15.1	Connections, electrical or mechanical shall withstand the mechanical stresses occurring		P
	Screws or nuts which transmit electrical contact pressure shall be of metal		P
	And shall be in engagement with a metal thread.		P
	Screws or nuts in engagement with thread of insulating material shall be completely removed and reinserted each time as specified in 14.2.8.		N/A
15.2	For screws in engagement with a thread of insulating, correct introduction into the screw hole or nut shall be ensured.		N/A
15.3	Contact pressure of electrical connections is not transmitted through insulating material		P
15.4	Screws and rivets which serve as electrical as well as mechanical connections shall be locked against loosening or turning.		P

BS 5733: 2010 + A1: 2014			
Clause	Requirement – Test	Result - Remark	Verdict
	In addition, the terminals of accessories containing earthing and neutral plug pin as:		—
	a) formed as one piece with the pin, or		N/A
	b) permanently connected to it in such a way that efficient electrical connection is made that cannot work loose in use.		N/A
	The other contact for the fuse-link shall be similarly connected to the corresponding plug-pin		N/A
	Connections shall not be made by means of screws.		N/A
	The line terminal or termination provided with effectively clamping and securing conductors		N/A
	Connections to fuse-clips within accessories not containing terminals made by means of screws.		N/A
15.5	Current-carrying parts, including those of terminals (also earthing terminals) shall be metal resistant to corrosion		P
15.6	Current-carrying parts which may be subjected to mechanical wear shall not be made of steel which has an electroplated coating.		P
15.7	Metals showing a great difference of electrochemical potential with respect to each other shall not be used in contact with each other.		P
15.8	Thread-forming screws shall not be used for the connection of current-carrying parts.		P
16	Provisions for cables and cords		—
16.1	Accessories intended for fixed install shall have terminals as specified in clause 13.		P
	The entry to the accessory, for the installation of insulated conductors, connected without exposing the based conductors (clause 10)		P
	The entry causes no damage to the insulation of the conductors or to the sheath of the cable.		P

BS 5733: 2010 + A1: 2014			
Clause	Requirement – Test	Result - Remark	Verdict
16.2	Accessories intended for use with a flexible cord or cable enter the accessory through a suitable hole, groove or gland.	Only for coaxial cable, telephone cable and RJ45 data cable	N/A
	The entry accept the maximum dimensions of the outer sheath of the appropriate flexible cord or cable, having conductors of the c.s.a. specified, according to the rating of the accessory.		N/A
	The entry shall be so shaped as to prevent damage to the flexible cord or cable.		N/A
	An anchorage shall be provided		N/A
	The anchorage shall contain the sheath and shall be either of insulating material or metal provided with insulating lining fixed to the metal		N/A
	Anchorage shall anchor the cord or cable securely to the accessory.		N/A
	Rewireable accessories shall be designed as follows:		—
	a) the anchorage cannot be released from the outside without the use of a tool		N/A
	b) clamping the cord or cable does not require the use of a special purpose tool.		N/A
	All accessories shall be designed as follows:		—
	1) anchorage restraint is not affected by a metal part bearing directly on cord or cable		N/A
	2) at least one part of the anchorage is securely fixed		N/A
	Anchorage clamping screws shall not be used to secure other components.		N/A
	Test:		—
	Rewireable accessories shall be fitted with a 2-core flexible cord having nominal conductor c.s.a. of 0.5mm^2 or minimum designated		N/A

BS 5733: 2010 + A1: 2014			
Clause	Requirement – Test	Result - Remark	Verdict
	The anchorage shall be used in the normal way, the clamping screws were tightened to a torque of 2/3 × value from table 3.		N/A
	After the preparation, it shall not be possible to push the flexible cord or cable into the accessory,		N/A
	Or into its box to such an extent as to impair safety, or so that the anchorage was loosened.		N/A
	The flexible cord shall then pulled for 25 times		N/A
	Immediately afterwards, the flexible cord shall be subjected for 60s to a torque.		N/A
	Insulation of the flexible cord shall not be damaged		N/A
	The above test shall then be repeated, the accessory being fitted with the largest appropriate flexible cord or cable specified in 16.2, the forces for the pull and torque according to table 6	Cord size: Force: Torque:	N/A
	For non-rewireable accessories, the test shall be carried out with the flexible cable or cord with which the accessory is supplied The conductors of the flexible cord shall be severed at the point of termination prior to the test.	Cord size: mm² Force : N Torque : Nm	N/A
	Test voltage shall be applied between the conductors		N/A
	After the tests, the displacement of flexible cord shall be measured		N/A

Sample	CSA (mm²)	Displacement (mm)	Limit (mm)	—
1			≤ 2	N/A
			≤ 2	N/A
			≤ 2	N/A
2			≤ 2	N/A
			≤ 2	N/A
			≤ 2	N/A

BS 5733: 2010 + A1: 2014			
Clause	Requirement – Test	Result - Remark	Verdict
	3	≤ 2	N/A
		≤ 2	N/A
		≤ 2	N/A
	Insulation of the flexible cord was not damaged		N/A
16.3 & 16.4	Non-rewireable portable accessories shall be provided with appropriate flexible cord.		N/A
	The method of connection within the accessory shall conform to 14.4.		N/A
	The retention of the flexible cord prevented excessive bending where it enters the accessory.		N/A
	The flexible cable or cord shall be loaded with a mass	~~20 / 10 N~~	N/A
	A current equal to the rated current shall be passed through the conductors		N/A
	The voltage between the conductors shall be approximate equal to the rated voltage		N/A
	Earthing conductors shall be connected at the end to the neutral conductor.		N/A
	Subjected to number of flexing	~~10000 times~~	N/A
	During the test, no short-circuit between the conductors		N/A
	After the test, no interruption of current		N/A
17	Resistance to ageing		—
17.1	Accessories shall be resistant to ageing		P
17.2	Accessories other than ordinary shall be test after having been mounted and assembled as 18.1.2.1.		N/A
	Test in the cabinet	70 °C, 168 h	P
	After the test, the samples shall not show cracks and		P
	Complied with remaining tests in the series as specified in 6.3b)		P
18	Resistance to harmful ingress of water and resistance to humidity		—
18.1	Resistance to ingress of water	IPX0	N/A

BS 5733: 2010 + A1: 2014				
Clause	Requirement – Test	Result - Remark		Verdict
18.2	Resistance to humidity			P
	The humidity treatment shall be carried	25 °C, 93%RH		P
	Duration for the samples shall be kept in the cabinet	48 ~~/ 168~~ h		P
	After the test, the insulation and the electric strength complied with clause 19.			P
	The samples shall not show signs of damage			P
19	Insulation resistance and electric strength			—
19.1	The insulation resistance and electric strength shall be tested in accordance with 18.2, followed immediately by 19.2 and 19.3 in the humidity cabinet.			N/A
19.2	The insulation resistance was measured	500V dc		N/A
	Parts between	Measured (MΩ)	Limit (MΩ)	—
	a) parts of opposite polarities		≥ 5	N/A
	b) parts of opposite polarity connected together and other parts insulated, including earthed metal		≥ 5	N/A
	c1) switch contacts opened - L		≥ 2	N/A
	c2) switch contacts opened - N		≥ 2	N/A
19.3	The insulation shall be subjected for 60s to a voltage	2000V		N/A
	a) Between live parts of opposite polarity			N/A
	b) parts of opposite polarity connected together and other parts insulated, including earthed metal 1). other parts insulated, including earthed metal; 2). Metal foil in contact with accessible surface.			N/A
20	Temperature rise			—
	Accessories shall be so constructed that the temperature rise in normal use is accordance with 20.4.3.			N/A
	Terminal screw torque:			N/A

BS 5733: 2010 + A1: 2014				
Clause	Requirement – Test	Result - Remark		Verdict
20.2.1 & 20.2.3	Portable accessories shall be connected by flexible cords with test conductors of the nominal cross-sectional area given in table 6A, appropriate to the current-rating used.			N/A
20.2.2 & 20.2.4	Fixed accessories shall be connected by fixed supply wiring with test conductors of the nominal cross-sectional area given in table 6A, appropriate to the current-rating used.			N/A
20.2.5	For non-rewirable accessories, tested with flexible cord as supplied			N/A
20.2.6	For accessories having no provision for cords, intended use of the accessory			N/A
20.3.1	For surface mounted fixed accessories			N/A
20.3.2	For flush mounted fixed accessories			N/A
20.3.3	For portable accessories other than plugs and adaptors			N/A
20.3.4	Plug and Adaptors having provision for connection of flexible cords shall be inserted into a corresponding socket-outlet which shall be mounted in an appropriate flush mounting box placed in a block of wood simulating the conditions of normal use.			N/A
20.3.5	For accessories having no provision for cords, test as appropriate to their design			N/A
20.3.6	When supply cables enter into mounting boxes for tests of fixed accessories, the circulation of air prevented	surface / flush mounted		N/A
20.4	Temperature rise shall be determined by means of	fine-wire thermocouples		N/A
20.4.1-20.4.3	All tests shall be carried out in a draught - free environment, with test voltage and current			N/A
	Parts	Measured (K)	Limit (K)	—
	terminal or termination		≤ 52	N/A

BS 5733: 2010 + A1: 2014				
Clause	Requirement – Test	Result - Remark		Verdict
	accessible external surface		≤ 52	N/A
	Ambient temperature (°C)		—	—
21	Mechanical strength			—
	Accessories shall be constructed as to withstand such handling as may be expected.			P
21.3.1	For surface mounting fixed accessories: checked by impact test			N/A
21.3.2	For flush mounted fixed accessories: checked by impact test			P
21.3.3	For plugs fitted with 2-core / 3-core PVC sheathed cords, appropriate to the design and current rating of the accessory with length of 150mm			N/A
	Terminals and cover screws shall be tightened with the torque (table 3).			N/A
	Plugs shall be tested in the tumbling barrel			—
	a) for rewirable plugs			N/A
	b) for non-rewirable plugs			N/A
	c) for rough-use plugs			N/A
21.3.4	For single and twin portable socket-outlets.			N/A
	Fitted with 2-core / 3-core PVC sheathed cords, appropriate to the design and current rating of the accessory with length of 150mm			N/A
	Terminals and cover screws shall be tightened with the torque (table 3).			N/A
	Single and twin portable socket-outlets shall be tested in the tumbling barrel			—
	Only one socket-outlet shall be tested at a time			N/A
	Each socket-outlet shall be dropped 5 000 times.			N/A
21.3.5	For portable socket-outlets having more than two outlets.			N/A
	Checked by tested with Fig 16			N/A
21.3.6	For adaptors.			N/A
	Tested in the tumbling barrel 25 times			N/A

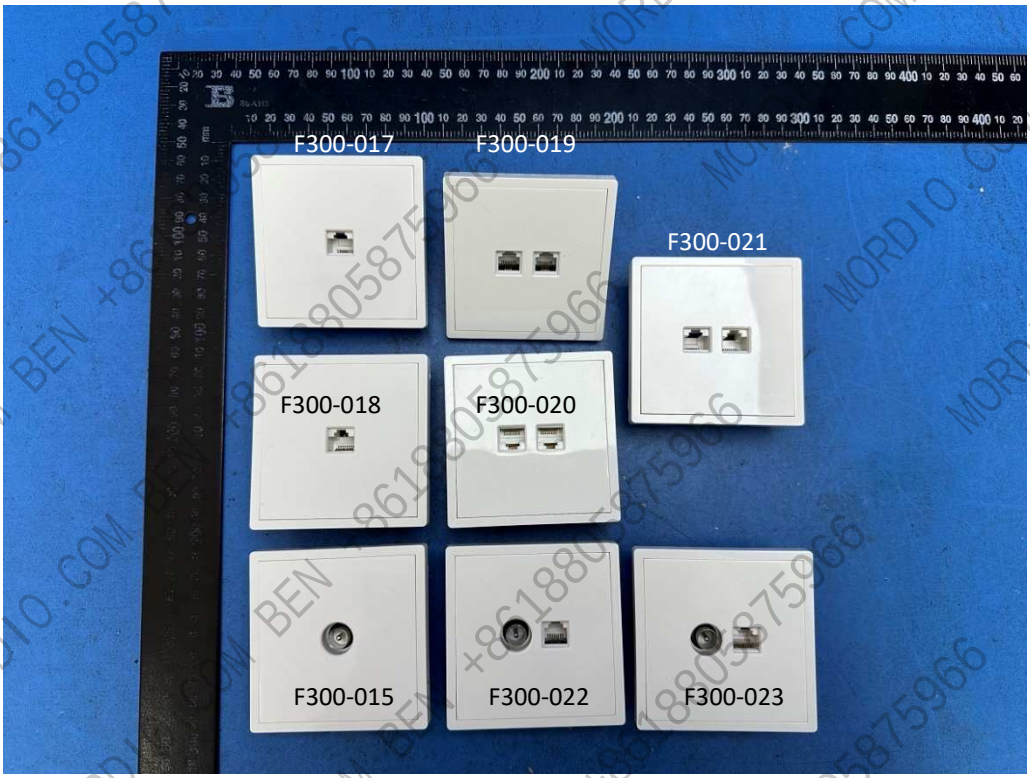
BS 5733: 2010 + A1: 2014				
Clause	Requirement – Test	Result - Remark		Verdict
	Checked by impact test			N/A
21.3.7	For other portable accessories			N/A
	Tested in the tumbling barrel 300 times			N/A
21.3.8	For screw glands.			N/A
21.4	Assessment: When the accessories are tested in accordance with 21.3, the accessories:			—
21.4.1	a) not show damage which might affect safety;			P
&	b) no live parts become accessible			N/A
	c) no parts become detached.			P
21.4.2	When examined in accordance with 21.4.1, accessories which passed shall be submitted to repeat tests in accordance with clause 19 and 20, but with the following modifications and without disturbing the terminals or terminations.			N/A
	a) The length of cords specified in 21.3.3 and 21.3.4 shall be increased by 1 000 mm;			N/A
	b) The length of cords specified in 21.3.5 shall be reduced to 1000mm			N/A
19	Insulation resistance and electric strength			—
19.1	The insulation resistance and electric strength shall be tested in accordance with 18.2, followed immediately by 19.2 and 19.3 in the humidity cabinet.			N/A
19.2	The insulation resistance shall be measured	500V dc		N/A
	Parts between	Measured (MΩ)	Limit (MΩ)	—
	a) parts of opposite polarities		≥ 5	N/A
	b) parts of opposite polarity connected together and other parts insulated, including earthed metal		≥ 5	N/A
	c1) switch contacts opened - L		≥ 2	N/A
	c2) switch contacts opened - N		≥ 2	N/A
19.3	The insulation shall be subjected for 60s to a voltage	2000V		N/A
	a) Between live parts of opposite polarity			N/A

BS 5733: 2010 + A1: 2014			
Clause	Requirement – Test	Result - Remark	Verdict
	b) parts of opposite polarity connected together and other parts insulated, including earthed metal 1). other parts insulated, including earthed metal; 2). Metal foil in contact with accessible surface.		N/A
20	Temperature rise		—
	Accessories shall be so constructed that the temperature rise in normal use was in accordance with 20.4.3.		N/A
	Terminal screw torque:		N/A
20.2.1 & 20.2.3	Portable accessories shall be connected by flexible cords with test conductors of the nominal cross-sectional area given in table 6A, appropriate to the current-rating used.		N/A
20.2.2 & 20.2.4	Fixed accessories shall be connected by fixed supply wiring with test conductors of the nominal cross-sectional area given in table 6A, appropriate to the current-rating used.		N/A
20.2.5	For non-rewirable accessories, tested with flexible cord as supplied		N/A
20.2.6	For accessories having no provision for cords, intended use of the accessory		N/A
20.3.1	For surface mounted fixed accessories		N/A
20.3.2	For flush mounted fixed accessories		N/A
20.3.3	For portable accessories other than plugs and adaptors		N/A
20.3.4	Plug and Adaptors having provision for connection of flexible cords shall be inserted into a corresponding socket-outlet which shall be mounted in an appropriate flush mounting box placed in a block of wood simulating the conditions of normal use.		N/A
20.3.5	For accessories having no provision for cords, test as appropriate to their design		N/A

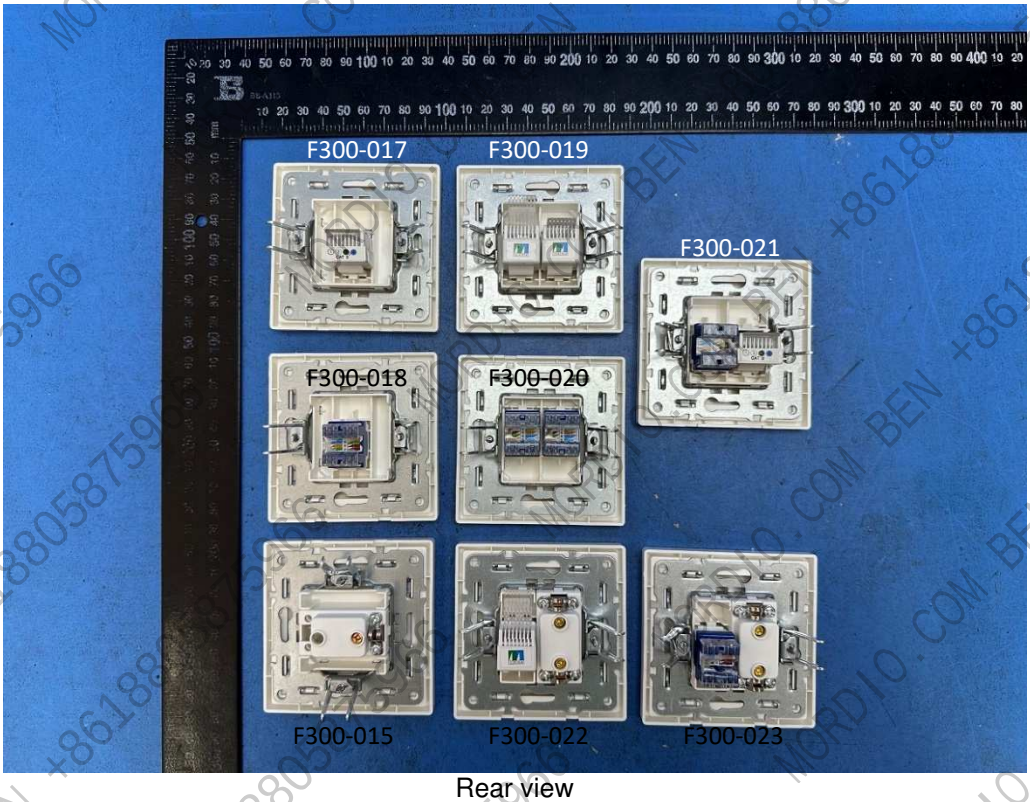
BS 5733: 2010 + A1: 2014					
Clause	Requirement – Test	Result - Remark			Verdict
20.3.6	When supply cables enter into mounting boxes for tests of fixed accessories, the circulation of air prevented				N/A
20.4	Temperature rise shall be determined by means of	fine-wire thermocouples			N/A
20.4.1-20.4.3	All tests shall be carried out in a draught - free environment, with test voltage and current				N/A
	Parts	Measured (K)		Limit (K)	—
	terminal or termination			≤ 52	N/A
	accessible external surface			≤ 52	N/A
	Ambient temperature (°C)			—	—
22	Resistant to heat				—
22.1	With the exception of parts made from rubber and ceramics in fixed accessories				P
22.2	The sample shall be kept for 60 min. in a heating cabinet	100°C, 60 min			P
	When tested in this way, there shall be no access to live parts which normally not accessible.				P
	After the test, the accessories shall not have undergone any change impairing further use.				P
22.3	The sample shall be subjected to a ball-pressure test	20 N			P
	For Fixed accessories				—
	Parts	Temperature (°C)	∅ (mm)	Limit (mm)	—
	a) retaining current-carrying parts (PCB, considered as live parts carrier)	125	Max.1,2	≤ 2	P
	b) 2mm width around the L & N pin entry hole of the front surface of fixed socket	125	-	≤ 2	N/A
22.4					—
	Parts	Temperature (°C)	∅ (mm)	Limit (mm)	—
	a) not retaining current-carrying parts (Cover / base / outline border)	75 / ~~T+40~~	Max.1,0	≤ 2	P
	b) portable accessories	75 / T+40	-	≤ 2	N/A

BS 5733: 2010 + A1: 2014			
Clause	Requirement – Test	Result - Remark	Verdict
22.5	Portable accessories having external parts of resilient material.		N/A
	Tested by apparatus shown in fig 19		N/A
23	Resistance of insulation material to abnormal heat and to fire		—
23.1 – 23.2	Parts of insulating material which might impair the safety of the accessory shall not be unduly affected by normal heat and by fire.		P
	a) insulating material retain current-carrying parts	850 °C (PCB)	P
	- no visible flame and no sustained glowing	no visible flame	P
	- flames and glowing extinguish within 30 s after removal of glow-wire		N/A
	- no ignition of paper		P
	b) not retain current-carrying parts	650 °C (Cover / base / outline border)	P
	- no visible flame and no sustained glowing	No visible flame	P
	- flames and glowing extinguish within 30 s after removal of glow-wire		N/A
	- no ignition of paper		P
24	Deleted		—
25	Resistance to excessive residual tresses and to rusting		—
25.1	The current-carrying parts shall be subjected to the test of immersed in an aqueous solution of mercury (I) nitrate containing 10g of $Hg_2(NO_3)_2$ and 10ml of $HN0_3$ (relative density 1.42) per litre of solution for 30 min. at a temperature of 20°C		N/A
	after the treatment, no cracks visible		N/A
25.2	Ferrous parts, including covers and boxes, shall be subjected to the test of immersed for 10 min. in 10% solution of ammonium chloride in water at a temperature of 20°C.		N/A
	After the treatment, there shall be no signs of rust		N/A

Photos:



Overall view



Rear view

Open view of model F300-023

Internal view of model F300-023

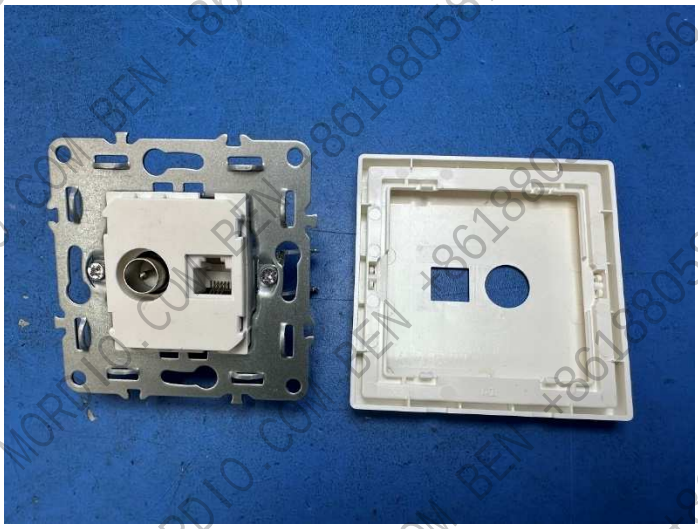
Open view of RJ45 module

Open view of RJ45 module and TV coaxial module

Open view of RJ45 module and TV coaxial module

Open view of TV coaxial module

Terminal for TV coaxial module



Open view of model F300-022

Open view of RJ11 module typed CAT.3

Two types RJ11 telephone modules

Two types RJ11 telephone modules

Two types RJ11 telephone modules