



Test Report issued under the responsibility of:

**TEST REPORT**
IEC 61347-2-13**Part 2: Particular requirements****Section Thirteen – d.c. or a.c. supplied electronic controlgear for LED modules****Report Reference No.**.....: GZ10090817-1R1

Date of issue.....: 21 November 2011

Total number of pages.....: 26

CB Testing Laboratory.....: Intertek Testing Services Shenzhen Ltd. Guangzhou BranchAddress.....: Block E, No.7-2 Guang Dong Software Science Park, Caipin Road,
Guangzhou Science City, GETDD, Guangzhou, China**Applicant's name**.....: Eaglerise Electric & Electronic (Foshan) Co., Ltd.Address.....: Guicheng Sci-Tech Industrial Park, Jianping Road, Nanhai District,
Foshan City, Guangdong Province, P.R. China**Test specification:**

Standard.....: IEC 61347-2-13:2006 used in conjunction with IEC 61347-1:2007

Test procedure.....: CB

Non-standard test method.....: N/A

Test Report Form No......: IEC61347_2_13B

TRF Originator.....: Intertek Semko AB


Master TRF.....: Dated 2007-11

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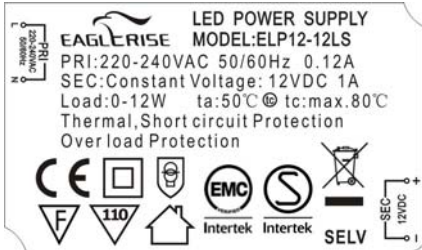
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Test item description.....:	LED power supply
Trade Mark	
Manufacturer.....:	Eaglerise Electric & Electronic (Foshan) Co., Ltd.
Model/Type reference.....:	ELP06-12LS; ELP09-12LS; ELP12-12LS; ELP18-12LS
Ratings.....:	Class II; SELV; IP 20; ta 50 °C; tc 80 °C; Built-in; Constant voltage type; 110°C thermal protection; Inherently short-circuit proof; Suitable for direct mounting on normally flammable surfaces; ELP06-12LS: Input: 220-240 VAC 50/60 Hz; 65 mA; Output: 12 VDC; 0,5 A; ELP09-12LS: Input: 220-240 VAC 50/60 Hz; 90 mA; Output: 12 VDC; 0,75 A; ELP12-12LS: Input: 220-240 VAC 50/60 Hz; 120 mA; Output: 12 VDC; 1 A; ELP18-12LS: Input: 220-240 VAC 50/60 Hz; 200 mA; Output: 12 VDC; 1,5 A

Testing procedure and testing location:	
<input checked="" type="checkbox"/> CB Testing Laboratory: Testing location/ address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China
<input type="checkbox"/> Associated CB Laboratory: Testing location/ address:	
Tested by (name + signature).....:	Harry Zou <i>Harry Zou</i>
Approved by (+ signature).....:	Shelley Ying <i>Shelley Ying</i>
<input type="checkbox"/> Testing procedure: TMP Tested by (name + signature).....:	—
Approved by (+ signature).....:	—
Testing location/ address:	
<input type="checkbox"/> Testing procedure: WMT Tested by (name + signature).....:	—
Witnessed by (+ signature).....:	—
Approved by (+ signature).....:	—
Testing location/ address:	
<input type="checkbox"/> Testing procedure: SMT Tested by (name + signature).....:	—
Approved by (+ signature).....:	—
Supervised by (+ signature).....:	—
Testing location/ address:	
<input type="checkbox"/> Testing procedure: RMT Tested by (name + signature).....:	—
Approved by (+ signature).....:	—
Supervised by (+ signature).....:	—
Testing location/ address:	

<p>Summary of testing:</p> <p>The tested samples fulfilled the requirements of specified standards.</p>	
<p>Tests performed (name of test and test clause):</p> <p>8 Protection against accidental contact with live parts 11 Moisture resistance and insulation 12 Electric strength 14 Fault conditions 16 Abnormal conditions 17 Construction 18 Creepage distances and clearances 19 Screws, current-carrying parts and connections 20 Resistance to heat, fire and tracking Annex C Particular requirements for electronic lamp controlgear with means of protection against overheating Annex I Particular additional requirements for independent SELV d.c. or a.c. supplied electronic step-down convertors for filament lamps</p>	<p>Testing location:</p> <p>Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China</p>
<p>Summary of compliance with National Differences:</p> <p>Not checked</p>	
<p>Copy of marking plate</p> <p>(Representative)</p>  <p>Location: Stuck on the outer surface of enclosure</p> <p>Remark on above marking:</p> <ol style="list-style-type: none"> 1, The height of graphical symbols shall not be less than 5 mm; 2, The height of letters and numerals shall be not less than 2 mm. 	

<p>Test item particulars</p> <p>Classification of installation and use..... : Built-in; Class II; for use with LED loads</p> <p>Supply Connection..... : Connection leads</p>
<p>Possible test case verdicts:</p> <p>- test case does not apply to the test object : N/A (not applicable)</p> <p>- test object does meet the requirement..... : P (Pass)</p> <p>- test object does not meet the requirement..... : F (Fail)</p>
<p>Testing</p> <p>Date of receipt of test item : 15 September 2010 1st revision: 09 November 2011</p> <p>Date (s) of performance of tests : 15 September 2009 to 18 October 2010 1st revision: 09 November 2011 to 17 November 2011</p>
<p>General remarks:</p> <p>The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory. "(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. Clause numbers between brackets refer to clauses in IEC 61347-1. When determining for test conclusion, measurement uncertainty of tests has been considered. This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program. The test report only allows to be revised only within the report defined retention period unless standard or regulation was withdrawn or invalid. The clause which indicated with * is the subcontract test item. Manufacturing site: Eaglerise Electric & Electronic (Foshan) Co., Ltd. Manufacturing address: Guicheng Sci-Tech Industrial Park, Jianping Road, Nanhai District, Foshan City, Guangdong Province, P.R. China This report consists of: Total 26 pages; Page 1-17 for test report; Page 18-21 for component list; Page 22-26 for product photos. The tested report shall be read with GZ10090817-1. 1st revision: based on the pervious tested report GZ10090817-1 dated on 18 October 2010 for CB: Below are the revisions:</p> <ol style="list-style-type: none"> 1) Revised the circuit diagram and PCB layout for model ELP12-12LS. Details please kindly refer to the product photos; 2) Revised the component list: Mod. Some information for X2 capacitor and PCB; added an component insulation sheet. Details please kindly read component list.
<p>General product information:</p> <p>The products covered by this test report are built-in LED Class II power supplies intended for use with LED.</p>

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Clause	Requirement – Test	Result - Remark	Verdict
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8 (10)	PROTECTION AGAINST ACCIDENTAL CONTACT WITH LIVE PARTS		P
- (10.1)	Controlgear protected against accidental contact with live parts		P
- (A2)	The current flowing between the part concerned and earth is measured and does not exceed 0,7 mA (peak) or 2 mA d.c.:		N/A
- (A2)	For frequencies above 1 kHz, the current does not exceed 0,7 mA (peak) multiplied by the value of the frequency in kilohertz or 70 mA (peak)		N/A
- (A3)	The voltage between the part concerned and any accessible part is measured and does not exceed 34 V (peak).....:		N/A
- (10.1)	Lacquer or enamel not used for protection or insulation		P
	Adequate mechanical strength on parts providing protection		P
- (10.2)	Capacitors > 0,5 μF: voltage after 1 min (V): < 50 V :	< 0,5 μF	N/A
8.1 (-)	SELV-equivalent controlgear accessible parts are insulated from live parts by double or reinforced insulation according 8.6 and 13.1 in IEC 60065		N/A
8.2 (-)	Exposed terminals of SELV or SELV-equivalent controlgear are allowed if: - the rated or maximum output voltage does not exceeding 25 V r.m.s. - the no-load output voltage does not exceed 30 V r.m.s. or 33 √2 V peak		N/A
	Insulated terminals if rated output voltage >25 V		N/A
	One capacitor Y1 or two capacitors Y2 of the same values used in series between SELV or SELV-equivalent output and primary circuits - Capacitor complying with IEC 60384-14 - Other components bridging the separating transformer complying with IEC 60065, clause 14		P

11 (11)	MOISTURE RESISTANCE AND INSULATION		P
	After storage 48 h at 91-95% relative humidity and 20-30 °C measuring of insulation resistance with d.c. 500 V (MΩ):		P
	≥ 2 MΩ for basic insulation.....:	> 100 MΩ	P
	≥ 4 MΩ for double or reinforced insulation	> 100 MΩ	P
11 (-)	Adequate insulation between input and output terminals not bounded together in SELV-equivalent controlgear		N/A

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Clause	Requirement – Test	Result - Remark	Verdict
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12 (12)	ELECTRIC STRENGTH		P
	Immediately after clause 11 electric strength test for 1 min		P
	Working voltage ≤ 42 V, test voltage 500 V		N/A
	Working voltage > 42 V ≤ 1000 V, test voltage (V):		P
	Basic insulation, 2U + 1000 V	1480 V	P
	Supplementary insulation, 2U + 1750 V		N/A
	Double or reinforced insulation, 2U + 2750 V	3710 V	P
	No flashover or breakdown		P
	Windings in separating transformers in SELV-equivalent control gear according to 14.3.2 of EN 60065		N/A

14 (14)	FAULT CONDITIONS		P
	When operated under fault conditions the controlgear:		P
	- does not emit flames or molten material		P
	- does not produce flammable gases		P
	- protection against accidental contact not impaired		P
	Thermally protected controlgear does not exceed the marked temperature value		P
	Fault conditions: capacitors, resistors or inductors without proof of compliance with relevant specifications have been short-circuited or disconnected	(see appended table)	P
- (14.1)	Short-circuit of creepage distances and clearances if less than specified in clause 16 in Part 1 (except between live parts and accessible metal parts)		N/A
	Distances on printed boards provided with coating according to IEC 60664-3		N/A
- (14.2)	Short-circuit or interruption of semiconductor devices	(see appended table)	P
- (14.3)	Short-circuit across insulation consisting of lacquer, enamel or textile		N/A
- (14.4)	Short-circuit across electrolytic capacitors	(see appended table)	P
- (14.5)	After the tests the insulation resistance with d.c. 500 V (M Ω) are ≥ 1 M Ω	> 100 M Ω	P
	After the tests the accessible parts has not become live		P
	During the tests, a five-layer tissue paper, where the test specimen is wrapped, does not ignite		P

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Clause	Requirement – Test	Result - Remark	Verdict
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	Temperature declared thermally protected controlgear fulfil the requirements in Annex C		P
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16	ABNORMAL CONDITIONS		P
	Safety not impaired when the controlgear is operated at any voltage between 90% and 110% of rated voltage		P
16.1	Control gear which are of the constant voltage output type:		—
	a) No LED module inserted		P
	b) Double LED modules or equivalent load connected to the output terminals		P
	c) Output terminal short-circuited (20 cm and 200 cm or declared length)	0,1 m and 2,5 m	P
	During and at the end of the tests no defect impairing safety, nor any smoke or flammable gases produced		P
16.2	Control gear which are of the constant current output type:		—
	a) No LED module connected		N/A
	b) Double the LED modules or equivalent load connected in series to the output terminals		N/A
	c) Output terminal short-circuited (20 cm and 200 cm or declared length)		N/A
	Maximum output voltage not exceeded		N/A
	During and at the end of the tests no defect impairing safety, nor any smoke or flammable gases produced		N/A

17 (15)	CONSTRUCTION		P
- (15.1)	Wood, cotton, silk, paper and similar fibrous material not used as insulation		P
- (15.2)	Printed boards used as internal connections complies with clause 14 of IEC 61347-1		P
	Socket-outlet in the output circuit does not accept plugs complying with IEC 60083 and IEC 60906		N/A
	Not possible to engage plugs accepted by socket-outlet in the output circuit with socket-outlets complying with IEC 60083 and IEC 60906		N/A

18 (16)	CREEPAGE DISTANCES AND CLEARANCES		P
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Clause	Requirement – Test	Result - Remark	Verdict

	Creepage distances and clearances according to Table 3 and 4, as appropriate	(see appended table)	P
	Printed boards see clause 14 of IEC 61347-1		P
	Insulating lining of metallic enclosures		N/A

19 (17)	SCREWS, CURRENT-CARRYING PARTS AND CONNECTIONS		P
	Screws, current-carrying parts and connections in compliance with IEC 60598-1 (clause numbers between parentheses refer to IEC 60598-1)		P
(4.11)	Electrical connections		P
(4.11.1)	Contact pressure		P
(4.11.2)	Screws:		N/A
	- self-tapping screws		N/A
	- thread-cutting screws		N/A
	- at least two self-tapping screws		N/A
(4.11.3)	Screw locking:		N/A
	- spring washer		N/A
	- rivets		N/A
(4.11.4)	Material of current-carrying parts		P
(4.11.5)	No contact to wood		P
(4.12)	Mechanical connections and glands		N/A
(4.12.1)	Mechanical stress		N/A
	Screws not made of soft metal		N/A
	Screws of insulating material		N/A
	Torque test: part; torque (Nm)		N/A
	Torque test: part; torque (Nm)		N/A
	Torque test: part; torque (Nm)		N/A
(4.12.2)	Screw diameter < 3 mm screwed into metal		N/A
(4.12.3)	Void		—
(4.12.4)	Locked connections		N/A
(4.12.5)	Screwed glands: force (N)		N/A

20 (18)	RESISTANCE TO HEAT, FIRE AND TRACKING		P
20 (18.1)	Parts of insulating material retaining live parts in position, ball-pressure test:		P
	- part; test temperature (°C)	Refer to GZ10090817-1	P
	- part; test temperature (°C)		N/A

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Clause	Requirement – Test	Result - Remark	Verdict
20 (18.2)	Printed boards in accordance with IEC 60249-1, 4.3		P
20 (18.3)	External parts of insulating material preventing electric shock glow-wire test 650 °C	Enclosure; insulation sheet	P
20 (18.4)	Parts of insulating material retaining live parts in position, needle-flame test 10 s:		P
	- flame extinguished within 30 s	Bobbin	P
	- no flaming drops igniting tissue paper		P
20 (18.5)	Tracking test		N/A

14	TABLE: tests of fault conditions	P
Part	Simulated fault	Hazard
Output terminal	Short-circuit	NO
C8	Short-circuit	NO
D9	Short-circuit	NO
D8	Short-circuit	NO
C5	Short-circuit	NO
U2	Short-circuit Input pins	NO
C4	Short-circuit	NO
C2	Short-circuit	NO
D1	Short-circuit	NO

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Clause	Requirement – Test	Result - Remark	Verdict
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18 (16)	TABLE: creepage distances and clearances						P
	Minimum distances for a.c. (50/60 Hz) sinusoidal voltages						P
RMS working voltage (V) not exceeding	50	150	250	500	750	1000	
1 minimum distances between live parts of different polarity. Specify the value measured.	—	—	3,9 mm	—	—	—	
2 minimum distances between live parts and accessible parts which are permanently fixed to the ballast, including screws or devices for fixing covers or fixing the ballast to its support. Specify the value measured.	—	—	7,1 mm	—	—	—	
- required creepage distances (mm), insulation PTI ≥ 600	0,6	1,4	1,7	3	4	5,5	
- required creepage distances (mm), insulation PTI < 600	1,2	1,6	2,5	5	8	10	
- required clearances (mm)	0,2	1,4	1,7	3	4	5,5	
3 minimum distances between live parts and a flat supporting surface or a loose metal cover, if any, if the construction does not ensure that the values under 2 above are maintained under the most unfavourable circumstances	—	—	7,1 mm	—	—	—	
- required clearances (mm)	2	3,2	3,6	4,8	6	8	
	Minimum distances for non-sinusoidal pulse voltages						N/A
rated pulse voltage (peak kV)	2,0	2,5	3,0	4,0	5,0	6,0	8,0
required minimum distances, clearances (mm)	1,0	1,5	2	3	4	5,5	8
Specify the value measured	—	—	—	—	—	—	—
rated pulse voltage (peak kV)	10	12	15	20	25	30	40
required minimum distances, clearances (mm)	11	14	18	25	33	40	60
Specify the value measured	—	—	—	—	—	—	—
rated pulse voltage (peak kV)	50	60	80	100	-	-	-
required minimum distances, clearances (mm)	75	90	130	170	-	-	-
Specify the value measured	—	—	—	—	—	—	—

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Clause	Requirement – Test	Result - Remark	Verdict
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A	ANNEX A (NORMATIVE), TEST TO ESTABLISH WHETHER A CONDUCTIVE PART IS A LIVE PART WHICH MAY CAUSE AN ELECTRIC SHOCK		N/A
A.2	See clause 8 A.2 in this Test Report		N/A
A.3	See clause 8 A.3 in this Test Report		N/A

C	ANNEX C – PARTICULAR REQUIREMENTS FOR ELECTRONIC LAMP CONTROLGEAR WITH MEANS OF PROTECTION AGAINST OVERHEATING		P
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C3	GENERAL REQUIREMENTS		P
C3.1	Thermal protection means integral with the controlgear, protected against mechanical damage	IC incorporates thermal protection	P
	Renewable only by means of a tool		P
	If function depending on polarity, for cord-connected equipment protection means in both leads		N/A
	Thermal links comply with IEC 60691		N/A
	Electrical controls comply with IEC 60730-2-3		N/A
C3.2	No risk of fire by breaking (clause C7)		P

C5	CLASSIFICATION		P
	a) automatic resetting type	Yes	—
	b) manual resetting type	No	—
	c) non-renewable, non-resetting type	No	—
	d) renewable, non-resetting type	No	—
	e) other type of thermal protection; description		N/A

C6	MARKING		P
C6.1	Symbol for temperature declared thermally protected ballasts	110	P
C6.2	Declaration of the type of protection provided		P
C7	LIMITATION OF HEATING		P
C7.1	Preselection test		P
	Test sample placed for at least 12 h in an oven having temperature (tc - 5) K	75	P
	No operation of the protection device		P
C7.2	Functioning of protection means		P

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Clause	Requirement – Test	Result - Remark	Verdict
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	Normal operation of the sample in a test enclosure according to Annex D at an ambient temperature such that ($t_c +0; -5$) °C is obtained		P
	No operation of the protection device		P
	Introducing of the most onerous test condition determined during test of clause 14		N/A
	Output of windings connected to the mains supply short-circuited, and other part of the controlgear operated under normal conditions		N/A
	Increasing of the current through the windings continuously until operation of the protection means		P
	Continuous measuring of the highest surface temperature		P
	Controlgear according to C5 a) or C5 e) operated until stable conditions are achieved		P
	Automatic-resetting thermal protectors working 3 times		P
	Controlgear according to C5 b) working 6 times		N/A
	Controlgear according to C5 c) and C5) d) working once		N/A
	Highest temperature does not exceed the marked value	94 °C	P
	Any overshoot of 10% over the marked value within 15 min		N/A

D	ANNEX D – REQUIREMENTS FOR CARRY OUT THE HEATING TESTS OF THERMALLY PROTECTED LAMP CONTROLGEAR		P
	Tests in C7 performed in accordance with Annex D, if applicable		P

F	ANNEX F - DRAUGHT-PROOF ENCLOSURE		P
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	Draught-proof enclosure in accordance with the description		P
	Dimensions of the enclosure		P
	Other design; description		N/A

H	ANNEX H - TESTS		P
	All tests performed in accordance with the advise given in Annex H, if applicable		P

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Clause	Requirement – Test	Result - Remark	Verdict
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I	ANNEX I - PARTICULAR ADDITIONAL REQUIREMENTS FOR INDEPENDENT SELV D.C. OR A.C. SUPPLIED ELECTRONIC CONTROLGEAR FOR LED MODULES		P
I.6	Heating		—
I.6.1	No excessive temperatures in normal use		P
	Used material classified as Class _____	E	—
	Stated value of t _a _____	50 °C	—
I.6.2	Upri: 1.06 time supply rated voltage	254,4 V	—
	Determined temperature rises in windings:		P
	- Primary: _____ K	56	
	- Limit max: _____ K	65	
	- Secondary: _____ K	54	
	- Limit max: _____ K	65	
	After the test:		P
	- no connections have worked loose		P
	- no reduction of creepage distances and clearances		P
	- no flow of sealing compound		N/A
	- no operation of protecting devices		P
	- electric strength test between input and output windings		P
I.6.3	Cycling test (10 cycles):		N/A
I.6.3.1	- heat run at _____ K		N/A
I.6.3.2	- moisture treatment 48 h		N/A
I.6.3.3	- vibration test 1 h; 1,5 g		N/A
I.6.3.4	After the tests:		N/A
	- insulation resistance		N/A
	- dielectric strength test at 35 % of specified value; test voltage _____ V		N/A
	- Current or the ohmic component does not deviates by more than 30 %		N/A
I.7	Short-circuit and overload protection		P
I.7.1	Upri: 1.06 times rated voltage or 0.94 and 1.06 times rated supply voltage	254,4	P
	- used voltage _____ V		
I.7.2 I.7.3 I.7.4	Determined temperature rise in windings and on other parts:		P

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Clause	Requirement – Test	Result - Remark	Verdict
	- test according to Clause _____	1.7.2 all temperatures decreased	P
	- Primary winding _____ K	56	P
	- Limit max _____ K	115	P
	- Secondary winding _____ K	54	P
	- Limit max _____ K	115	P
	- External enclosure _____ K	16	P
	- Limit max _____ K	55	P
	- PVC insulation of wiring (Input) _____ K	6	P
	- Limit max _____ K	35	P
	- PVC insulation of wiring (Output) _____ K	12	P
	- Limit max _____ K	35	P
	- Supports _____ K	25	P
	- Limit max _____ K	55	P
I.7.5	Fail-safe convertors		N/A
I.7.5.1	- Upri: 1.06 times rated supply voltageV:	—	—
	- Isec: 1.5 times rated output currentA:	—	—
	- time until steady-state conditions t1 (h)	—	—
	- time until failure t2 (h): ≤ t1; ≤ 5 h	—	N/A
I.7.5.2	During the test:		N/A
	- no flames, molten material, etc.		N/A
	- temperature rise of enclosure ≤ 150 K		N/A
	- temperature rise of plywood support ≤ 100 K		N/A
	After the test:		N/A
	- electric strength (test voltage; 35 % of specified value); no flashover or breakdown for primary-to-secondary and for primary-to-body		N/A
	- live parts not accessible by test finger through holes of enclosure		N/A
I.8	Insulation resistance and electric strength		P
I.8.1	Conditioned 48 h between 91 % and 95 %		P
I.8.2	Adequate insulation (500 V d.c. for 1 min) between:		P
	Live parts and the body -for basic insulation not less than 2 MΩ		N/A
	Live parts and the body -for reinforced insulation not less than 4 MΩ	> 100 MΩ	P

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Clause	Requirement – Test	Result - Remark	Verdict
	Input- and output circuits not less than 5 MΩ	> 100 MΩ	P
	Metal parts of class II controlgear which are separated from live parts by basic insulation only and the body not less than 5 MΩ		N/A
	Metal foil in contact with the inner and outer surfaces of enclosures of insulating material not less than 2 MΩ	> 100 MΩ	P
I.8.3	Electric strength test:		P
	1) Between live parts of input circuits and live parts of output circuits	3750 V	P
	2) Over basic or supplementary insulation between:		P
	a) live parts which are or may become of different polarity	1875 V	P
	b) live parts and body if intended to be connected to protective earth		N/A
	c) accessible metal parts and a metal rod of the same diameter as the flexible cable or cord		N/A
	d) live parts and an intermediate metal part		N/A
	e) intermediate metal parts and the body		N/A
	3) Over reinforced insulation between the body and live parts	3750 V	P
	No flashover or breakdown occurred		P
I.11	Creepage distances and clearances		P
	1. Insulation between input and output circuits:		P
	a) measured values \geq specified values (mm)	The components between input circuit and output circuit: 6,4 mm (limit: 6,0 mm);	P
	b) measured values \geq specified values (mm)		N/A
	c) measured values \geq specified values (mm)	ELP12-12LS: thickness of three layers of insulation tape: 0,18 mm (limit: 0,1 mm)	P
	2. Insulation between adjacent input circuits: measured values \geq specified values (mm)		N/A
	2. Insulation between adjacent output circuits: measured values \geq specified values (mm)		N/A
	3. Insulation between terminals for external connection:		N/A
	a) measured values \geq specified values (mm)		N/A
	b) measured values \geq specified values (mm)		N/A
	c) measured values \geq specified values (mm)		N/A
	4. Basic or supplementary insulation:		P

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Clause	Requirement – Test	Result - Remark	Verdict
	a) measured values \geq specified values (mm)	Between the poles of fuse: 3,5 mm (limit: 3,0 mm)	P
	b) measured values \geq specified values (mm)		N/A
	c) measured values \geq specified values (mm)		N/A
	5. Reinforced insulation: measured values \geq specified values (mm)	Between the live parts and the body: 7,1 mm (limit: 6,0 mm)	P
	6. Distanse through insulation:		P
	a) measured values \geq specified values (mm)		N/A
	b) measured values \geq specified values (mm)	Thickness of enclosure: 1,20 mm (limit: 1,0 mm)	P
	c) measured values \geq specified values (mm)		N/A
	d) measured values \geq specified values (mm)		N/A