



Test Report issued under the responsibility of:



**TEST REPORT**  
**IEC 62368-1**  
**Audio/video, information and communication technology equipment**  
**Part 1: Safety requirements**

**Report Number** ..... : 50391186 001  
**Date of issue** ..... : 2020-08-10  
**Total number of pages** ..... : 77 (excluding attachments, refer to page 3)

**Applicant's name**..... : **TDK-Lambda (China) Electronics Co., Ltd.**  
**Address** ..... : No. 95, Zhujiang Road, Xinwu District, Wuxi 214028 Jiangsu, P.R. China



**Test specification:**  
**Standard**..... : IEC 62368-1:2014 (Second Edition)  
**Test procedure** ..... : CB Scheme  
**Non-standard test method**..... : N/A

**Test Report Form No**..... : IEC62368\_1B  
**Test Report Form(s) Originator** .. : UL(US)  
**Master TRF** ..... : 2014-03

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Test Item description .....	Switching Power Supply
Trade Mark .....	<b>TDK-Lambda</b>
Manufacturer .....	Same as applicant
Model/Type reference .....	CUS250x-yzz1 (x = blank or LD; y = 3, 4, 5, 12 or 24; z = /CO2, /A or blank; z1 = alphanumeric character, symbol or blank)
Ratings .....	See the model list on page 10

Testing procedure and testing location:		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	TÜV Rheinland Shanghai Co., Ltd.
Testing location/ address .....		No.177, 178, Lane 777 West Guangzhong Road, Jing'an District, Shanghai, China
<input type="checkbox"/>	Associated CB Testing Laboratory:	
Testing location/ address .....		
Tested by (name + signature) .....		Tim Song / Technical Expert 
Approved by (name + signature).....		Sunny Sun / Technical Reviewer 
<input type="checkbox"/>	Testing procedure: TMP/CTF Stage 1	
Testing location/ address .....		
Tested by (name + signature) .....		
Approved by (name + signature).....		
<input type="checkbox"/>	Testing procedure: WMT/CTF Stage 2	
Testing location/ address .....		
Tested by (name + signature) .....		
Witnessed by (name + signature) .....		
Approved by (name + signature).....		
<input type="checkbox"/>	Testing procedure: SMT/CTF Stage 3 or 4	
Testing location/ address .....		
Tested by (name + signature) .....		
Approved by (name + signature).....		
Supervised by (name + signature) .....		

**List of Attachments (including a total number of pages in each attachment):**

- ATTACHMENT – Measurement Section (4 pages)
- ATTACHMENT – National Differences (35 pages)
- ATTACHMENT – Photo documentation (5 pages)

Note: Total number of pages in each attachment is indicated in individual attachment.

**Summary of testing:**

**Tests performed (name of test and test clause):**

This report is based on original CB report 50178634 001 with certificate ref. no. JPTUV-090645 with following changes:

1. Change Applicant and Manufacturer from TDK-Lambda Corp. Nagaoka Technical Center to TDK-Lambda (China) Electronics Co., Ltd.
2. Add additional new factory TDK-Lambda (China) Electronics Co., Ltd.
3. Update test standard from IEC 60950-1 to IEC 62368-1.

All applicable tests as described in Test Case and Tables were performed.

The maximum specified operation ambient temperature is 70°C. Specified ambient temperature for operation is according to manufacturer’s specification. (see chart of convection cooling on following)

Unless otherwise indicated, all tests were conducted on Models CUS250x-4zz1, CUS250x-12zz1 and CUS250x-24zz1 to represent other similar models.

The load conditions used during testing: Maximum normal load according to clause B.2.5 for this equipment is the operation with the maximum specified DC-load with maximum power condition according to the manufacturer specified.

The equipment is operated up to 3000m above sea level as declared by manufacturer. Clearances have been evaluated according to IEC 60664-1 table A.2 with a multiplication factor of 1.14 throughout this report.

The test samples are pre-production without serial numbers.

**Testing location:**

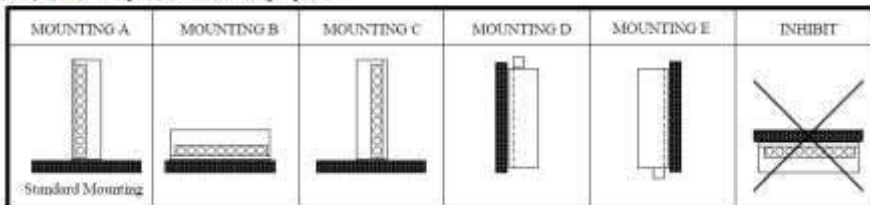
TÜV Rheinland Shanghai Co. Ltd.  
No.177, 178, Lane 777 West Guangzhong Road, Jing'an District, Shanghai, China

**Mounting position:**

**5. Mounting Directions**

**5-1. Output Derating according to the Mounting Directions.**

Recommended standard mounting method is (A). Method (B)-(E) are also possible. Refer to the output derating below. Load(%) of derating curve indicates output power.

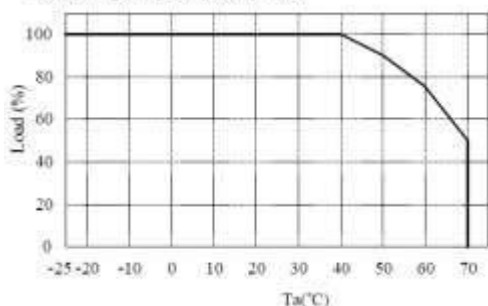


**Derating Curve:**

**5-2. Output Derating vs Ambient temperature**

Make sure that the specified temperature range is maintained.

**CONVECTION COOLING**

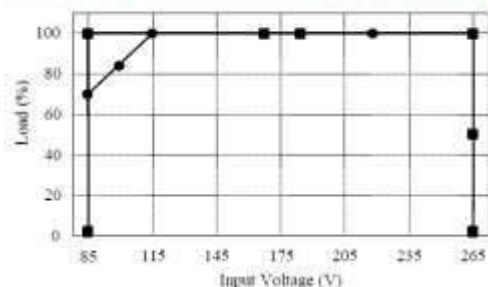


— Mounting (A),(B),(C),(D),(E)

Ta (°C)	Load (%)
	Mounting (A),(B),(C),(D),(E)
-25-40	100
50	90
60	75
70	50

**5-3. Output Derating vs Input Voltage**

Output derating is required when the PSU operate below 115VAC input. Refer to table below for details.



■ -3  
 ■ -4, 5, 12, 24

Input Voltage	Load(%)	
	-4, 5, 12, 24	-3
85VAC	80	100
115-265VAC	100	100

**Summary of compliance with National Differences:**

**List of countries addressed**

EU Group Differences, EU Special National Conditions, AU, CA, DK, JP, NZ, US

Explanation of used codes:

AU = Australia; CA = Canada; DK = Denmark; JP = Japan; NZ = New Zealand; US = United States of America

The product fulfils the requirements of

**IEC 62368-1:2014 (Second Edition),  
 EN 62368-1:2014+A11:2017 and  
 CSA/UL 62368-1:2014**

Copy of marking plate

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

<Representative>

**CUS250-3**  

**AC INPUT : 100 - 240VAC ~ 2.0 A**  
**50 - 60Hz**

**OUTPUT : 3.3 V  $\Rightarrow$  50 A**

BAR CODE

**TDK-Lambda**  
 MADE IN CHINA

**INPUT OUTPUT TERMINAL**

-V	-V	-V	+V	+V	+V	FG	L	N
----	----	----	----	----	----	----	---	---

**CUS250-4**  

**AC INPUT : 100 - 240VAC ~ 2.4 A**  
**50 - 60Hz**

**OUTPUT : 4.2 V  $\Rightarrow$  50 A**

BAR CODE

**TDK-Lambda**  
 MADE IN CHINA

**INPUT OUTPUT TERMINAL**

-V	-V	-V	+V	+V	+V	FG	L	N
----	----	----	----	----	----	----	---	---

**CUS250-5**  

**AC INPUT : 100 - 240VAC ~ 2.8 A**  
**50 - 60Hz**

**OUTPUT : 5 V  $\Rightarrow$  50 A**

BAR CODE

**TDK-Lambda**  
 MADE IN CHINA

**INPUT OUTPUT TERMINAL**

-V	-V	-V	+V	+V	+V	FG	L	N
----	----	----	----	----	----	----	---	---

**CUS250-12**  

**AC INPUT : 100 - 240VAC ~ 2.8 A**  
**50 - 60Hz**

**OUTPUT : 12 V  $\Rightarrow$  21 A**

BAR CODE

**TDK-Lambda**  
 MADE IN CHINA

**INPUT OUTPUT TERMINAL**

-V	-V	-V	+V	+V	+V	FG	L	N
----	----	----	----	----	----	----	---	---

**CUS250-24**  

**AC INPUT : 100 - 240VAC ~ 2.8 A**  
**50 - 60Hz**

**OUTPUT : 24 V  $\Rightarrow$  10.5 A**

BAR CODE

**TDK-Lambda**  
 MADE IN CHINA

**INPUT OUTPUT TERMINAL**

-V	-V	-V	+V	+V	+V	FG	L	N
----	----	----	----	----	----	----	---	---

### CUS250LD-3

AC INPUT: 100 - 240VAC ~ 2.0 A  
50 - 60Hz

OUTPUT: 3.3 V  $\equiv$  50 A

BAR CODE

**TDK-Lambda**

MADE IN CHINA

INPUT OUTPUT TERMINAL

-V	-V	-V	+V	+V	+V	FG	L	N
----	----	----	----	----	----	----	---	---

### CUS250LD-4

AC INPUT: 100 - 240VAC ~ 2.4 A  
50 - 60Hz

OUTPUT: 4.2 V  $\equiv$  50 A

BAR CODE

**TDK-Lambda**

MADE IN CHINA

INPUT OUTPUT TERMINAL

-V	-V	-V	+V	+V	+V	FG	L	N
----	----	----	----	----	----	----	---	---

### CUS250LD-5

AC INPUT: 100 - 240VAC ~ 2.8 A  
50 - 60Hz

OUTPUT: 5 V  $\equiv$  50 A

BAR CODE

**TDK-Lambda**

MADE IN CHINA

INPUT OUTPUT TERMINAL

-V	-V	-V	+V	+V	+V	FG	L	N
----	----	----	----	----	----	----	---	---

### CUS250LD-12

AC INPUT: 100 - 240VAC ~ 2.8 A  
50 - 60Hz

OUTPUT: 12 V  $\equiv$  21 A

BAR CODE

**TDK-Lambda**

MADE IN CHINA

INPUT OUTPUT TERMINAL

-V	-V	-V	+V	+V	+V	FG	L	N
----	----	----	----	----	----	----	---	---

### CUS250LD-24

AC INPUT: 100 - 240VAC ~ 2.8 A  
50 - 60Hz

OUTPUT: 24 V  $\equiv$  10.5 A

BAR CODE

**TDK-Lambda**

MADE IN CHINA

INPUT OUTPUT TERMINAL

-V	-V	-V	+V	+V	+V	FG	L	N
----	----	----	----	----	----	----	---	---

**CUS250- 3/C02**

AC INPUT : 100 - 240VAC ~ 2.0 A  
50 - 60Hz

OUTPUT : 3.3 V  $\approx$  50 A

BAR CODE

**TDK-Lambda**

MADE IN CHINA

INPUT OUTPUT TERMINAL

-V	-V	-V	+V	+V	+V	FG	L	N
----	----	----	----	----	----	----	---	---

**CUS250- 4/C02**

AC INPUT : 100 - 240VAC ~ 2.4 A  
50 - 60Hz

OUTPUT : 4.2 V  $\approx$  50 A

BAR CODE

**TDK-Lambda**

MADE IN CHINA

INPUT OUTPUT TERMINAL

-V	-V	-V	+V	+V	+V	FG	L	N
----	----	----	----	----	----	----	---	---

**CUS250- 5/C02**

AC INPUT : 100 - 240VAC ~ 2.8 A  
50 - 60Hz

OUTPUT : 5 V  $\approx$  50 A

BAR CODE

**TDK-Lambda**

MADE IN CHINA

INPUT OUTPUT TERMINAL

-V	-V	-V	+V	+V	+V	FG	L	N
----	----	----	----	----	----	----	---	---

**CUS250- 12/C02**

AC INPUT : 100 - 240VAC ~ 2.8 A  
50 - 60Hz

OUTPUT : 12 V  $\approx$  21 A

BAR CODE

**TDK-Lambda**

MADE IN CHINA

INPUT OUTPUT TERMINAL

-V	-V	-V	+V	+V	+V	FG	L	N
----	----	----	----	----	----	----	---	---

**CUS250- 24/C02**

AC INPUT : 100 - 240VAC ~ 2.8 A  
50 - 60Hz

OUTPUT : 24 V  $\approx$  10.5 A

BAR CODE

**TDK-Lambda**

MADE IN CHINA

INPUT OUTPUT TERMINAL

-V	-V	-V	+V	+V	+V	FG	L	N
----	----	----	----	----	----	----	---	---

TEST ITEM PARTICULARS:	
Classification of use by..... :	<input checked="" type="checkbox"/> Ordinary person <input checked="" type="checkbox"/> Instructed person <input checked="" type="checkbox"/> Skilled person <input type="checkbox"/> Children likely to be present
Supply Connection .....	<input checked="" type="checkbox"/> AC Mains <input type="checkbox"/> DC Mains <input type="checkbox"/> External Circuit - not Mains connected - <input type="checkbox"/> ES1 <input type="checkbox"/> ES2 <input type="checkbox"/> ES3
Supply % Tolerance .....	<input checked="" type="checkbox"/> +10%/-10% <input type="checkbox"/> +20%/-15% <input type="checkbox"/> None
Supply Connection – Type .....	<input checked="" type="checkbox"/> pluggable equipment type A - <input type="checkbox"/> non-detachable supply cord <input type="checkbox"/> appliance coupler <input type="checkbox"/> direct plug-in <input checked="" type="checkbox"/> mating connector <input type="checkbox"/> pluggable equipment type B - <input type="checkbox"/> non-detachable supply cord <input type="checkbox"/> appliance coupler <input checked="" type="checkbox"/> permanent connection <input type="checkbox"/> mating connector <input checked="" type="checkbox"/> other: Terminal block
Considered current rating of protective device as part of building or equipment installation..... :	16 A or 20 A (for US/CSA) Installation location: <input checked="" type="checkbox"/> building; <input type="checkbox"/> equipment
Equipment mobility .....	<input type="checkbox"/> movable <input type="checkbox"/> hand-held <input type="checkbox"/> transportable <input type="checkbox"/> stationary <input checked="" type="checkbox"/> for building-in <input type="checkbox"/> direct plug-in <input type="checkbox"/> rack-mounting <input type="checkbox"/> wall-mounted
Over voltage category (OVC) .....	<input type="checkbox"/> OVC I <input checked="" type="checkbox"/> OVC II <input type="checkbox"/> OVC III <input type="checkbox"/> OVC IV <input type="checkbox"/> other: _____
Class of equipment .....	<input checked="" type="checkbox"/> Class I <input type="checkbox"/> Class II <input type="checkbox"/> Class III <input type="checkbox"/> Not classified
Access location .....	<input checked="" type="checkbox"/> restricted access location <input type="checkbox"/> N/A
Pollution degree (PD) .....	<input type="checkbox"/> PD 1 <input checked="" type="checkbox"/> PD 2 <input type="checkbox"/> PD 3
Manufacturer's specified maximum operating ambient .....	70 °C
IP protection class .....	<input checked="" type="checkbox"/> IPX0 <input type="checkbox"/> IP____
Power Systems .....	<input checked="" type="checkbox"/> TN <input type="checkbox"/> TT <input checked="" type="checkbox"/> IT - 230 V <sub>L-L</sub>
Altitude during operation (m) .....	<input type="checkbox"/> 2000 m or less <input checked="" type="checkbox"/> up to 3000 m
Altitude of test laboratory (m) .....	<input checked="" type="checkbox"/> 2000 m or less <input type="checkbox"/> _____ m
Mass of equipment (kg) .....	≈0.68kg (with chassis and cover)



<b>POSSIBLE TEST CASE VERDICTS:</b>	
- 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)
<b>TESTING:</b>	
Date of receipt of test item .....	2015-03-06 (15077109 001) 2018-06-29 (50178634 001) 2020-05-19 (this report)
Date (s) of performance of tests .....	2015-03-21 to 2015-04-02 (15077109 001) 2018-08-22 (50178634 001) 2020-06-19 (this report)
<b>GENERAL REMARKS:</b>	
<p>"(See Enclosure #)" refers to additional information appended to the report.  "(See ATTACHMENT #)" refers to additional information appended to the report.  "(See appended table)" refers to a table appended to the report.</p> <p>Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.</p>	
<b>Manufacturer's Declaration per sub-clause 4.2.5 of IEC 60335-1:</b>	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided .....	<input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>Not applicable</b>
<b>When differences exist; they shall be identified in the General product information section.</b>	
<b>Name and address of factory (ies).....</b>	1. TDK-Lambda (China) Electronics Co., Ltd. No. 95, Zhujiang Road, Xinwu District, Wuxi 214028 Jiangsu, P.R. China 2. Zhangjiagang Hua Yang Electronics Co., Ltd. Zhao Feng Industrial Zone, Leyu Town Zhangjiagang, 215622 Jiangsu, P.R. China

<b>GENERAL PRODUCT INFORMATION:</b>							
<b>General product information:</b>							
The EUT is a component type switching mode power supplies intended for the class I construction of information technology equipment.							
The equipment employs PCB: CCB156 (primary, PB and secondary circuits)							
All models are identical, except of the turns of Transformer and the rating of some components which results in different output ratings. See Model List below for details.							
For rating differences between the models see below tables:							
Model	I/p voltage (Vac)	Fre. (Hz)	I/p current (A)	Minimal output	Rated output (typical)	Maximum output	Max. O/P Power
CUS250x-3zz1	100-240	50-60	2.0	2.97Vd.c.	3.3Vd.c.	3.63Vd.c.	≅165
				50A	50A	45.45A	
CUS250x-4zz1	100-240	50-60	2.4	3.78Vd.c.	4.2Vd.c.	4.62Vd.c.	≅210
				50A	50A	45.45A	
CUS250x-5zz1	100-240	50-60	2.8	4.5Vd.c.	5Vd.c.	5.5Vd.c.	≅250
				50A	50A	45.45A	
CUS250x-12zz1	100-240	50-60	2.8	10.8Vd.c.	12Vd.c.	13.2Vd.c.	≅252
				21A	21A	19.1A	
CUS250x-24zz1	100-240	50-60	2.8	21.6Vd.c.	24Vd.c.	26.4Vd.c.	≅252
				10.5A	10.5A	9.55A	
Remark: Operating temp.: up to +70°C (operating temperature depending on equipment's load, mounting position, for details refer to instruction manual).							
<b>Additional Information:</b>							
<ul style="list-style-type: none"> <li>The product is a component type switching power supply, the overall compliance shall be investigated in the complete end system/equipment, in particular as:               <ul style="list-style-type: none"> <li>- Fire enclosure</li> <li>- Mechanical enclosure</li> <li>- Electrical enclosure</li> </ul> </li> <li>Some components are <b>pre-certified</b>, which have been evaluated according to the relevant requirements of IEC 62368-1, are employed in this product. Their suitability of use has been checked according to clauses 4.1.1 and 4.1.2.</li> <li>The product is to be operated up to <u>3000</u> m above sea level, the minimum clearances were multiplied by the factor given in Table A.2 of IEC 60664-1: 1.14.</li> <li>The label is draft of artwork for marking plates pending approval by National Certification Bodies and it shall not be affixed to products prior to such an approval.</li> </ul>							
<b>Markings and Instructions</b>							
<ul style="list-style-type: none"> <li>The installation instruction contains instructions for connection to an IT power distribution system.</li> <li>Fuse Identification: F1: AC 250V T6.3AH</li> </ul>							
The product also marked with:							
CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE.							
<b>Definition of variable(s):</b>							
CUS250x-yzz1 (x = blank or LD; y = 3, 4, 5, 12 or 24; z = /CO2, /A or blank; z1 = alphanumeric character, symbol or blank)							

Note: Suffix options would be used shown below or used together.		
Variable:	Range of variable:	Content:
x	LD or blank	blank: Standard type of model name; LD: Special type of model name base on the customer requirement.
y	3, 4, 5, 12 or 24	Denotes for different output voltage.
z	/CO2, /A or blank	/CO2 = with coating; /A = with plastic cover blank = not coating
z1	alphanumeric character, symbol or blank	For market purposes, no construction differences and no safety impact.
<b>Additional application considerations – (Considerations used to test a component or sub-assembly) –</b>		
The equipment is a component intended for incorporation in IT equipment, the overall compliance shall be investigated in the complete end system.		
The power supply cord set was not evaluated together with the equipment. The suitable certified power supply cord set has to be provided in the country where the equipment is sold.		

<b>ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE:</b>	
(Note 1: Identify the following six (6) energy source forms based on the origin of the energy.) (Note 2: The identified classification e.g., ES2, TS1, should be with respect to its ability to cause pain or injury on the body or its ability to ignite a combustible material. Any energy source can be declared Class 3 as a worse case classification e.g. PS3, ES3.)	
<b>Electrically-caused injury (Clause 5):</b> (Note: Identify type of source, list sub-assembly or circuit designation and corresponding energy source classification) Example: +5 V dc input <span style="float: right;">ES1</span>	
<b>Source of electrical energy</b>	<b>Corresponding classification (ES)</b>
Primary circuits	ES3
DC output terminal	ES1
<b>Electrically-caused fire (Clause 6):</b> (Note: List sub-assembly or circuit designation and corresponding energy source classification) Example: Battery pack (maximum 85 watts): <span style="float: right;">PS2</span>	
<b>Source of power or PIS</b>	<b>Corresponding classification (PS)</b>
Primary circuits	PS3
DC output	PS3
<b>Injury caused by hazardous substances (Clause 7)</b> (Note: Specify hazardous chemicals, whether produces ozone or other chemical construction not addressed as part of the component evaluation.) Example: Liquid in filled component <span style="float: right;">Glycol</span>	
<b>Source of hazardous substances</b>	<b>Corresponding chemical</b>
N/A	N/A
<b>Mechanically-caused injury (Clause 8)</b> (Note: List moving part(s), fan, special installations, etc. & corresponding MS classification based on Table 35.) Example: Wall mount unit <span style="float: right;">MS2</span>	
<b>Source of kinetic/mechanical energy</b>	<b>Corresponding classification (MS)</b>
Sharp edges and corners	MS1

<b>ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE:</b>				
Equipment mass – mass < 7 kg		MS1		
<b>Thermal burn injury (Clause 9)</b> (Note: Identify the surface or support, and corresponding energy source classification based on type of part, location, operating temperature and contact time in Table 38.) Example: Hand-held scanner – thermoplastic enclosure TS1				
<b>Source of thermal energy</b>		<b>Corresponding classification (TS)</b>		
Metal chassis		The evaluation shall be made during the final system approval		
<b>Radiation (Clause 10)</b> (Note: List the types of radiation present in the product and the corresponding energy source classification.) Example: DVD – Class 1 Laser Product RS1				
<b>Type of radiation</b>		<b>Corresponding classification (RS)</b>		
N/A		N/A		
<b>ENERGY SOURCE DIAGRAM</b>				
Indicate which energy sources are included in the energy source diagram. Insert diagram below				
See “ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE”				
<input checked="" type="checkbox"/> ES <input checked="" type="checkbox"/> PS <input checked="" type="checkbox"/> MS <input type="checkbox"/> TS <input type="checkbox"/> RS				
<b>OVERVIEW OF EMPLOYED SAFEGUARDS</b>				
<b>Clause</b>		<b>Possible Hazard</b>		
5.1		Electrically-caused injury		
Body Part (e.g. Ordinary)	Energy Source (ES3: Primary Filter circuit)	Safeguards		
		Basic	Supplementary	Reinforced
Ordinary (output circuit assumed to be accessible by ordinary person in end product)	ES3: Primary circuits	--	--	Isolating Transformers, Optocouplers
Ordinary (metal chassis assumed to be direct or indirect accessible by ordinary person in end product)	ES3: Primary circuits	Certified Y-Capacitor	Protectively bonding chassis	N/A
Ordinary	ES1: Output	N/A	N/A	N/A
6.1		Electrically-caused fire		
Material part (e.g. mouse enclosure)	Energy Source (PS2: 100 Watt circuit)	Safeguards		
		Basic	Supplementary	Reinforced
Combustible materials	PS3: > 100 Watt circuit (Primary circuits and Secondary circuits)	Equipment safeguards (no ignition occurs and no such temp. attained specified in 6.3.1 a)	Equipment safeguards (e.g. rated V-0 PCB, combustible material rated V-2 min., metal fire barrier or	N/A

<b>ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE:</b>				
			enclosure; see 6.4.5 and 6.4.6)	
7.1	Injury caused by hazardous substances			
Body Part (e.g., skilled)	Energy Source (hazardous material)	Safeguards		
		Basic	Supplementary	Reinforced
N/A	N/A	N/A	N/A	N/A
8.1	Mechanically-caused injury			
Body Part (e.g. Ordinary)	Energy Source (MS3:High Pressure Lamp)	Safeguards		
		Basic	Supplementary	Reinforced
Ordinary	MS1: Sharp edge and corners	Rounded edge and corners	N/A	N/A
Ordinary	MS1: Equipment mass – mass < 7 kg	≈0.68kg	N/A	N/A
9.1	Thermal Burn			
Body Part (e.g., Ordinary)	Energy Source (TS2)	Safeguards		
		Basic	Supplementary	Reinforced
N/A	N/A	N/A	N/A	N/A
10.1	Radiation			
Body Part (e.g., Ordinary)	Energy Source (Output from audio port)	Safeguards		
		Basic	Supplementary	Reinforced
N/A	N/A	N/A	N/A	N/A
Supplementary Information:				
(1) See attached energy source diagram for additional details.				
(2) "N" – Normal Condition; "A" – Abnormal Condition; "S" Single Fault				