Test Report issued under the responsibility of:

TEST REPORT

IEC 60950-1
Information technology equipment – Safety – Part 1: General requirements

Report Number. .....:	E135494-A6051-CB-1
Date of issue .....:	2021-11-05
Total number of pages.....	140
Name of Testing Laboratory preparing the Report .....:	UL VS Limited Unit 1-3 Horizon, Wade Road, Kingsland Business Park, Basingstoke RG24 8AH, United Kingdom
Applicant's name .....:	TDK-LAMBDA UK LTD
Address .....:	KINGSLEY AVE ILFRACOMBE EX34 8ES UNITED KINGDOM
Test specification:	
Standard.....:	IEC 60950-1:2005, AMD1:2009, AMD2:2013
Test procedure .....:	CB Scheme
Non-standard test method .....:	N/A
Test Report Form No. .....:	IEC60950_1G
Test Report Form(s) Originator ....:	SGS Fimko Ltd
Master TRF.....:	Dated 2019-07-02

If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.

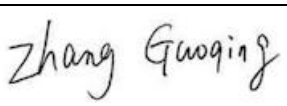
This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

General disclaimer:

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 CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.

Test item description ..... :	AC-DC Switch Mode Power Supply
Trade Mark ..... :	TDK-Lambda
Manufacturer ..... :	TDK-LAMBDA UK LTD KINGSLEY AVE ILFRACOMBE EX34 8ES UNITED KINGDOM
Model/Type reference ..... :	CUS250M series (See model differences for details of models and nomenclature)
Ratings ..... :	100-240Vac, 3.1A max, 47-440Hz (See model differences for details of ratings)

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):			
☐	**CB Testing Laboratory:**		
Testing location/ address.....:			
Tested by (name, function, signature).....:			
Approved by (name, function, signature)...:			
☐	**Testing procedure: CTF Stage 1:**		
Testing location/ address.....:			
Tested by (name, function, signature).....:			
Approved by (name, function, signature)...:			
☐	**Testing procedure: CTF Stage 2:**		
Testing location/ address.....:			
Tested by (name + signature) .....:			
Witnessed by (name, function, signature) .:			
Approved by (name, function, signature)...:			
☒	**Testing procedure: CTF Stage 3:**		
☐	**Testing procedure: CTF Stage 4:**		
Testing location/ address.....:		TDK-LAMBDA UK LTD KINGSLEY AVE ILFRACOMBE	

	EX34 8ES UNITED KINGDOM	
Tested by (name, function, signature).....:	Matt Carter, M. Gisbey / Tester	
Witnessed by (name, function, signature) .:	Dennis Butcher / Witness Engineer	See GPI for details
Approved by (name, function, signature)...:	Guoqing Zhang / Reviewer	
Supervised by (name, function, signature) :	Mark John De Sagun / Project Handler	

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

National Differences (61 pages)
Enclosures (78 pages)

Summary of testing:

Tests performed (name of test and test clause):	**Testing Location:**
	CTF Stage 3: TDK-LAMBDA UK LTD **KINGSLEY AVE** **ILFRACOMBE** **EX34 8ES UNITED KINGDOM**
Guide Information Page - Maximum Output Voltage, Current, and Volt Ampere Measurement (1.2.2.1)	
Input: Single-Phase (1.6.2)	
Input: Polyphase (1.6.2)	
Energy Hazard Measurements (2.1.1.5, 2.1.2, 1.2.8.10)	
Capacitance Discharge (2.1.1.7)	
SELV Reliability Test Including Hazardous Voltage Measurements (2.2.2, 2.2.3, 2.2.4, Part 22 6.1)	
Limited Short-Circuit (2.6.3.4)	
Protective Bonding I (2.6.3.4, 2.6.1)	
Humidity (2.9.1, 2.9.2, 5.2.2)	
Determination of Working Voltage; Working Voltage Measurement (2.10.2)	
Steady Force (4.2.1 - 4.2.4)	
Heating (4.5.1, 1.4.12, 1.4.13)	
Ball Pressure (4.5.5, 4.5)	
Touch Current (Single-Phase; TN/TT System) (5.1, Annex D)	
Electric Strength (5.2.2)	
Component Failure (5.3.1, 5.3.4, 5.3.7)	
Abnormal Operation (5.3.1 - 5.3.9)	
Transformer Abnormal Operation (5.3.3, 5.3.7b, Annex C.1)	
Power Supply Output Short-Circuit/Overload (5.3.7)	
Locked-Rotor Overload for DC Motors in Secondary Circuits (Annex B.7)	

Summary of compliance with National Differences:

List of countries addressed: Argentina, Australia / New Zealand, China, EU Group and National Differences, Israel, Japan, Korea, Singapore, USA, Canada

☒ **The product fulfils the requirements of:** EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013, BS EN 62368-1:2014 + A11:2017, CSA/UL 62368-1 2nd Edition, CSA CAN/CSA-C22.2 No. 62368-1 2nd Edition, Issued December 1, 2014