



Ref. Certif. No.

DK-96222-M1-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Buffer Module
Name and address of the applicant	TDK-LAMBDA SINGAPORE PTE LTD #06-01/08 1008 TOA PAYOH NORTH SINGAPORE 318996 SINGAPORE
Name and address of the manufacturer	TDK-LAMBDA SINGAPORE PTE LTD #06-01/08 1008 TOA PAYOH NORTH SINGAPORE 318996 SINGAPORE
Name and address of the factory	TDK-LAMBDA MALAYSIA SDN BHD PLO33 KAWASAN PERINDUSTRIAN SENAI 81400 SENAI MALAYSIA
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	<input checked="" type="checkbox"/> Additional Information on page 2 ZBM20-12bcdexxxx Input: 11.5-14.4 VDC, 20 A Output: 11.0 VDC, 20 A Buffer Time: 20 A/0.38 s (typ) <input checked="" type="checkbox"/> Additional Information on page 2
Trademark (if any)	
Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	ZBM20-abcdezzzzz <input checked="" type="checkbox"/> Additional Information on page 2
Additional information (if necessary may also be reported on page 2)	<b>Additionally evaluated to:</b> EN 62368-1:2014/A11:2017, EN 62368-1:2014 National Difference specified in the CB Test Report. The report was revised to include technical modifications. <input checked="" type="checkbox"/> Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2014
As shown in the Test Report Ref. No. which forms part of this Certificate	E252373-A6015-CB-1 issued on 2021-11-16

This CB Test Certificate is issued by the National Certification Body



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2021-11-16  
Original Issue Date: 2020-04-23

Signature: Jan-Erik Storgaard



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**Factories:**

TDK-LAMBDA MALAYSIA SDN BHD  
LOT 2 & 3, BATU 9 3/4 KAWASAN PERINDUSTRIAN BANDAR BARU JAYA GADING 26070 KUANTAN  
MALAYSIA

PANYU TRIO MICROTRONICS CO LTD  
SHIJI INDUSTRIAL ESTATE DONGYONG NANSHA GUANGZHOU GUANGDONG 511453  
CHINA

TDK-LAMBDA (CHINA) ELECTRONICS CO LTD  
NO.95, ZHUJIANG RD, XINWU DISTRICT WUXI JIANGSU  
CHINA

**Additional Model Detail(s):**

ZBM20-abcdexxxxx,

(where

a can be 12 or 15 or 24;

b can be "/" or blank;

c can be L or A or blank;

d can be T or blank;

e can be CO or CO2 or blank;

x can be blank or any alphanumeric character that is non safety related information)

**Additional Ratings:**

ZBM20-15bcdexxxxx

Input: 14.4-18 VDC, 20 A

Output: 13.8 VDC, 20 A

Buffer Time: 20 A/0.38 s (typ)

ZBM20-24bcdexxxxx

Input: 23-30 VDC, 20 A

Output: 22.4 VDC/VIN-1, 20 A

Buffer Time: 20 A/0.38 s (typ)

**Summary of Modifications:**

1. Change of minor surface mount components.;
2. Editorial change of "Ratings" in model ZBM20-24bcdexxxxx.;
3. Add BS EN 62368-1:2014 + A11:2017.

**Additional information (if necessary)**



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