

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

 Additional Information on page 2

Ratings and principal characteristics

See Page 2

Trademark / Brand (if any)



Type of Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

ZBM20-abcdexxxxx  
See Page 2

Additional information (if necessary may also be reported on page 2)

 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 2020-04-23

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: 2020-04-23

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

**DK-96222-UL**

**Model Details:**

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)

**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

**Ratings:**

ZBM20-12bcdexxxxx  
Input: 11.5-14.4 VDC, 20 A  
Output: 11.0 VDC, 20 A  
Buffer Time: 20 A/0.38 s (typ)  
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, 20 A  
Buffer Time: 20 A/0.38 s (typ)

**Additional Information:**

Additionally evaluated to EN 62368-1:2014 / A11: 2017; National Differences specified in the CB Test Report.

**Additional information (if necessary)**



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