Ref. Certif. No.

US-34826-UL

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

CB TEST CERTIFICATE

Product	DC-To-DC Converters
Name and address of the applicant	TDK-LAMBDA AMERICAS INC SUITE 100 3320 MATRIX DR RICHARDSON, TX 75082 USA
Name and address of the manufacturer	TDK-LAMBDA AMERICAS INC SUITE 100 3320 MATRIX DR RICHARDSON, TX 75082 USA
Name and address of the factory Note: *When more than one factory, please report on page 2*	TDK-LAMBDA AMERICAS INC SUITE 100 3320 MATRIX DR RICHARDSON, TX 75082 USA ☒ Additional Information on page 2
Ratings and principal characteristics	Optional Rated Input: 36 VDC Max, 23 A Max Rated output: 48 VDC Max, 28 A Max, 150 W Max.
Trademark / Brand (if any)	TDK or TDK-Lambda
Type of Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	GQA24***A%%%V-xxx -R, GQA2W***A%%%V-xxx-R See Page 2
Additional information (if necessary may also be reported on page 2)	Additionally evaluated to EN 62368-1:2014 / A11: 2017; National Differences specified in the CB Test Report. ☐ 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	E220248-A6010-CB-1 issued on 2019-11-25

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

Date: 2019-12-10

Signature:

Jolanta M. Wroblewska

Model Details:
GQA2W***A%%%V-xxx-R , (PR); -R indicating RoHS compliance, or -(007) for unpotted or (-0P7) for potted.

Where:

- 2W represents nominal input voltage, with a 9 36 Vdc input, with a Max Input Current of 23 A
- *** represents rated output current between 4.28 A - 28 A; *** maybe 1 to 3 digits, note that last digit is preceded by decimal point.
- %%% represents rated output voltage between, 5 Vdc -28 Vdc, with Max Output Power of 150 W. Note that the third digit is preceded by a
  decimal point. Example 120 implies 12.0 Volts. with Max Output Power of 120 W.
- xxx represents alphanumeric characters which indicates non safety related feature set options
- Optional -R indicating RoHS compliance, or (-007) for unpotted, or (-0P7) for potted)

GQA24***A%%%V-xxx -R (PR); -R indicating RoHS compliance, or -(007) for unpotted or (-0P7) for potted.

Where:

- 24 represents nominal input voltage, with a 18-36 Vdc input, Max Input Current 9 A dc;
- *** represents rated output current between 0 A - 2.5 A, *** maybe 1 to 3 digits, note that last digit is preceded by decimal point.
- %%% represents rated output voltage, 48 Vdc nominal, Note that the third digit is preceded by a decimal point. Example 120 implies 12.0
  Volts. with Max Output Power of 120 W
- xxx represents alphanumeric characters which indicates non safety related feature set options
- Optional -R indicating RoHS compliance, or (-007) for unpotted, or (-0P7) for potted)

Factories:

TDK-LAMBDA MALAYSIA SDN BHD
PLO33 KAWASAN PERINDUSTRIAN SENAI
SENAI, 81400 JOHOR Malaysia

Additional information (if necessary)

☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
☐ UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
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