DEMKO CERTIFICATE

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Date of Issue 2018-11-29

Certificate Holder TDK-LAMBDA CORP

NAGAOKA TECHNICAL CENTER

2704-1 SETTAYA-MACHI

NAGAOKA-SHI

NIIGATA-KEN 940-1195 JAPAN

Manufacturer TDK-LAMBDA CORP

NAGAOKA TECHNICAL CENTER

2704-1 SETTAYA-MACHI

NAGAOKA-SHI

NIIGATA-KEN 940-1195 JAPAN

Production site TDK-LAMBDA CORP

2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA-KEN 940-1195

JAPAN

Certified Product DC-DC Converter

Model CC30-24wwSyz#-E, CC30-48wwSyz#-E

See Page 2

Trademark

TDK·Lambda or &TDK

Rated Voltage / Frequency See Page 2
Rated Current / Power See Page 2

Insulation Class Not Classified

Degree of protection (IP) IPX0

Tested acc. to EN 62368-1:2014/A11:2017, EN 62368-1:2014 **Test Report No.** E132035-A6009-CB-1 issued on 2018-11-28

Additional for building-in

Expire date 2028-11-28

Certification Manager Jan-Erik Storgaard This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the D Mark Requirements. The Designated Certificate holder is entitled to use the d or for cables <DEMKO> for the Certified Product manufactured at the production site(s) identified above, in accordance with the D Mark Service Agreement, including without limitation the D Mark Testing and Certification Services Service Terms. Only those Products bearing the D Mark should be considered as being covered by UL's D Mark Service. This Certificate shall remain valid through the expiration date, unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior the expiration date.

Certification Body

UL International Demko A/S, Borupvang 5A, DK-2750 Ballerup, Denmark, Tel. +45 44 85 65 65, info.dk@ul.com www.ul-europe.com



Appendix DEMKO CERTIFICATE

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Date of Issue 2018-11-29

Model Details:

CC30-24wwSyz#-E,CC30-48wwSyz#-E (ww:03, 3.3, 3R3, 05, 5.0, 5R0, 12, 12R, 15 or 15R. y: F or

R. z : P or H. # : A to Z or blank)

Ratings:

<Input>

18-36Vdc (for Model CC30-24wwSyz#-E)

36-76Vdc (for Model CC30-48wwSyz#-E)

<Output>

3.3Vdc, 9A (for Model ww: 03, 3.3 or 3R3) 5.0Vdc, 6A (for Model ww: 05, 5.0 or 5R0) 12.0Vdc, 2.5A (for Model ww: 12 or 12R) 15.0Vdc, 2A (for Model ww: 15 or 15R)

Certification Body

UL International Demko A/S, Borupvang 5A, DK-2750 Ballerup, Denmark, Tel. +45 44 85 65 65, info.dk@ul.com www.ul-europe.com



