

# DEMKO CERTIFICATE

**Certificate No.** D-06887  
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**Date of Issue** 2018-11-08

**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 Model** DC-DC Converter  
CC1R5-wwxxyz#-E, CC3-wwxxyz#-E, CC6-wwxxyz#-E  
**Trademark** See Page 2

**TDK-Lambda**

**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-A6005-CB-1 issued on 2018-11-06  
**Additional** for building-in  
**Expire date** 2028-11-07

**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with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior to the expiration date.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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## Model Details:

CC1R5-wwxyz#-E, CC3-wwxyz#-E, CC6-wwxyz#-E (ww = 05, 12, 24 or 48. xx = 03, 05 or 12. y = S or D. z = F, R or S. # = A to Z or blank.)

## Ratings:

### Input:

4.5 - 9 Vdc (for Model ww = 05)  
9 - 18 Vdc (for Model ww = 12)  
18 - 36 Vdc (for Model ww = 24)  
36 - 76 Vdc (for Model ww = 48)

### Output:

3.3 to 3.6 Vdc, 400 mA, 1.32 W (for Model CC1R5-ww03Sz#-E)  
3.3 to 3.6 Vdc, 800 mA, 2.64 W (for Model CC3-ww03Sz#-E)  
3.3 to 3.6 Vdc, 1200 mA, 3.96 W (for Model CC6-0503Sz#-E)  
3.3 to 3.6 Vdc, 1500 mA, 4.95 W (for Model CC6-ww03Sz#-E, except ww = 05)

5.0 to 6.0 Vdc, 300 mA, 1.5 W (for Model CC1R5-ww05Sz#-E)  
5.0 to 6.0 Vdc, 600 mA 3.0W (for Model CC3-ww05Sz#-E)  
5.0 to 6.0 Vdc, 1000 mA, 5.0 W (for Model CC6-0505Sz#-E)  
5.0 to 6.0 Vdc, 1200 mA, 6.0 W (for Model CC6-ww05Sz#-E, except ww = 05)

12 to 15 Vdc, 125 mA, 1.5 W (for Model CC1R5-ww12Sz#-E)  
12 to 15 Vdc, 250 mA, 3.0 W (for Model CC3-ww12Sz#-E)  
12 to 15 Vdc, 500 mA, 6.0 W (for Model CC6-ww12Sz#-E)

+/-12 to +/-15 Vdc, 60 mA, 1.44 W (for Model CC1R5-ww12Dz#-E)  
+/-12 to +/-15 Vdc, 125 mA, 3.0 W (for Model CC3-ww12Dz#-E)  
+/-12 to +/-15 Vdc, 250 mA, 6.0 W (for Model CC6-ww12Dz#-E)

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