

DEMKO CERTIFICATE

Certificate No.	D-05137-A2
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Date of Issue	2017-12-26
Certificate Holder	COSEL CO LTD 1-6-43 KAMIAKAE-MACHI TOYAMA-SHI TOYAMA 930-0816 JAPAN
Manufacturer	COSEL CO LTD 1-6-43 KAMIAKAE-MACHI TOYAMA-SHI TOYAMA 930-0816 JAPAN
Production site	COSEL CO LTD 1-6-43 KAMIAKAE-MACHI TOYAMA-SHI TOYAMA 930-0816 JAPAN
Certified Product Model	DC-DC Converter MGwxyz - ##### See Page 2
Trademark	COSEL
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 60950-1:2006/A11:2009, EN 60950-1:2006/A12:2011, EN 60950-1:2006/A1:2010, EN 60950-1:2006/A2:2013, EN 60950-1:2006
Test Report No.	E132067-A132-CB-1 issued on 2017-12-26
Additional	for building-in; See page 2
Expire date	2019-06-20



Certification Manager
Jan-Erik Storgaard

Certification Body

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with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior the expiration date.

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Model Details:

MGwxyz - ##### "w" = S, FS, XS, W, FW or XW

"x" = 1R5, 3, 6 or 10 (when "w" = XS or XW, "x" is 1R5 or 6 only)

"y" = 05, 12, 24 or 48 (when "w" = FS or FW, "y" is 24 or 48 only and "w" = XS or XW, "y" is 24 only)

"Z" = 3R3, 05, 12, 15 (when "w" = W or FW, "z" is 05, 12 or 15 only and "w" = XW, "z" is 12 or 15 only)

Maybe provided with suffix "#####".

(# is any number 0 to 9 or any letter A to Z or blank.)

Ratings:

4.5-9 Vdc/ 0.39 A (MGS1R5053R3), 0.41 A (MGS1R50515, MGW1R50515), 0.42 A (MGS1R50505, MGS1R50512, MGW1R50505, MGW1R50512), 0.76 A (MGS3053R3), 0.80 A (MGS30512, MGS30515), 0.81 A (MGW30512, MGW30515), 0.83 A (MGS30505, MGW30505), 1.54 A (MGS6053R3), 1.61 A (MGS60612, MGS60515, MGW60512, MGW60515), 1.67 A (MGS60505, MGW60505), 2.36 A (MGS10053R3), 2.69 A (MGS100505), 2.75 A (MGW100505), 2.79 A (MGS100515), 2.82 A (MGW100515), 2.87 A (MGS100512), 2.90 A (MGW100512)

9-18 Vdc/ 0.19 A (MGS1R5123R3), 0.20 A (MGS1R51215, MGW1R51215), 0.21 A (MGS1R51205, MGS1R51212, MGW1R51205, MGW1R51212), 0.38 A (MGS3123R3), 0.40 A (MGS31212, MGS31215, MGW31212, MGW31215), 0.41 A (MGS31205, MGW31205), 0.77 A (MGS6123R3), 0.80 A (MGS61212, MGS61215, MGW61212, MGW61215), 0.83 A (MGS61205, MGW61205), 1.17 A (MGS10123R3), 1.33 A (MGS101205), 1.36 A (MGW101205), 1.38 A (MGS101215), 1.40 A (MGW101215), 1.42 A (MGS101212), 1.44 A (MGW101212)

18-36 Vdc/ 0.10 A (MGS1R5243R3, MGS1R52415, MGW1R52415), 0.11 A (MGS1R52405, MGS1R52412, MGW1R52405, MGW1R52412), 0.19 A (MGS3243R3), 0.20 A (MGS32412, MGS32415, MGW32412, MGW32415), 0.21 A (MGS32405, MGW32405), 0.39 A (MGS6243R3), 0.40 A (MGS62412, MGS62415, MGW62412, MGW62415), 0.42 A (MGS62405, MGW62405), 0.59 A (MGS10243R3), 0.67 A (MGS102405), 0.68 A (MGW102405), 0.69 A (MGS102415), 0.70 A (MGW102415), 0.71 A (MGS102412), 0.72 A (MGW102412)

36-76 Vdc/ 0.05 A (MGS1R5483R3), 0.06 A (MGS1R54805, MGS1R54812, MGS1R54815, MGW1R54805, MGW1R54812, MGW1R54815), 0.10 A (MGS3483R3, MGS34812, MGS34815, MGW34812, MGW34815), 0.11 A (MGS34805, MGW34805), 0.20 A (MGS6483R3, MGS64812, MGS64815, MGW64812, MGW64815), 0.21 A (MGS64805, MGW64805), 0.30 A (MGS10483R3), 0.34 A (MGS104805, MGW104805, MGW104812, MGW104815), 0.35 A (MGS104815), 0.36 A (MGS104812)

9-36 Vdc/ 0.19 A (MGFS1R5243R3), 0.20 A (MGFS1R52415, MGFW1R52415), 0.21 A (MGFS1R52405, MGFS1R52412, MGFW1R52405, MGFW1R52412), 0.38 A (MGFS3243R3), 0.40 A (MGFS32412, MGFS32415, MGFW32415), 0.41 A (MGFS32405, MGFW32405), 0.45 A (MGFW32412), 0.77 A (MGFS6243R3), 0.80 A (MGFS62412, MGFS62415, MGFW62412, MGFW62415), 0.83 A (MGFS62405, MGFW62405), 1.17 A (MGFS10243R3), 1.33 A (MGFS102405), 1.36 A (MGFW102405), 1.38 A (MGFS102415), 1.42 A (MGFS102412), 1.40 A (MGFW102415), 1.44 A (MGFW102412)

18-76 Vdc/ 0.10 A (MGFS1R5483R3), 0.11 A (MGFS1R54805, MGFS1R54812, MGFS1R54815, MGFW1R54805, MGFW1R54812, MGFW1R54815), 0.19 A (MGFS3483R3), 0.20 A (MGFS34812, MGFS34815), 0.21 A (MGFS34805, MGFW34805), 0.23 A (MGFW34812, MGFW34815), 0.39 A (MGFS6483R3), 0.40 A (MGFS64812, MGFS64815, MGFW64812, MGFW64815), 0.42 A (MGFS64805, MGFW64805), 0.59 A (MGFS10483R3), 0.67 A (MGFS104805), 0.68 A (MGFW104805), 0.69 A (MGFS104815), 0.70 A (MGFW104815), 0.71 A (MGFS104812), 0.72 A (MGFW104812)

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6-60 Vdc/ 0.30 A (MGXS1R5243R3), 0.32 A (MGXS1R52415, MGXW1R52415), 0.33 A (MGXS1R52405, MGXS1R52412, MGXW1R52412), 0.90 A (MGXS6243R3), 0.97 A (MGXS62412, MGXS62415, MGXW62412, MGXW62415), 0.99A (MGXS62405)

Additional Information:

This certificate replaces the certificate No. D-05137-A1 due to addition of models, MGXS1R5, MGXW1R5, MGXS6 and MGXW6 series.

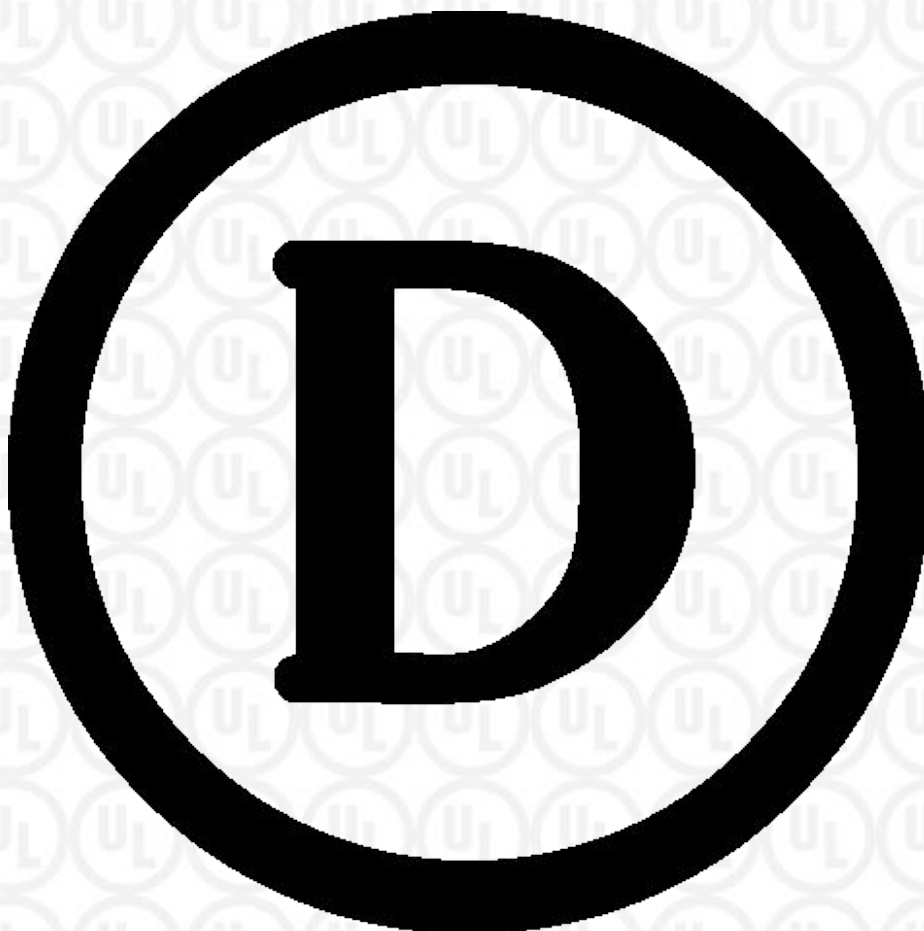
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