

CERTIFICATE FI/41310/A1

Our Ref. HEL-CERT220200230-02



Product **Isolated Gate Driver** NCD57000, NCD57001, NCV57000, NCV57001, NCD57001F, NCV57001F, Type NCD57252, NCV57252, NCD57253, NCV57253, NCP51561, NCV51561, NCP51563, NCV51563, NCP51560, NCV51560, NCD57100, NCV57100, NCD57101, NCV57101 NCD57090A, NCD57090B, NCD57090C, NCD57090D, NCD57090E, NCD57090F, NCV57090A, NCV57090B, NCV57090C, NCV57090D, NCV57090E, NCV57090F, NCD57091A, NCD57091B, NCD57091C, NCV57091A, NCV57091B, NCV57091C Trademark onsemi **Certificate Holder ON Semiconductor Corporation** 5005 E McDowell Rd US, 85008, Phoenix, Arizona, United States of America Technical OVC II, AC mains max. 400 V line-to-line, reinforced insulation, max operating information temperature +125 °C Other information The product is EN IEC 62368-1:2020 + A11:2020 certified according to the following standard(s) Validity This certificate is valid until 2027-04-28 provided that the Conditions for FI certification are met. This certificate includes the right to use the FI mark under the condition that changes (if any) will be checked at SGS Fimko before the product is brought onto market and that the conditions for FI certification are met. Date of issue 2022-09-20 SGS Fimko Ltd Signature Peter Fagerstedt **Certification Manager**

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SGS Fimko Ltd

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Business ID 0978538-5



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ON Semiconductor Philippines Inc Golden Mile Business Park Special Economic Zone Governor's Drive, Barrio Maduya, 4116, Carmona, Cavite, Philippines

The certified product(s) fulfils requirements of mentioned standard(s) which are harmonised under the Low Voltage Directive (2014/35/EU) at the date of issue of the certificate.

The products are isolated IGBT gate drivers with internal galvanic isolation, designed for high power applications.

SOIC16WB, 16-pin wide body enclosure: NCD57000, NCD57001, NCV57000, NCV57001, NCD57001F, NCV57001F, NCD57252, NCV57252, NCD57253, NCV57253, NCP51561, NCV51561, NCP51563, NCV51560, NCV51560, NCD57100, NCV57100, NCV57100, NCV57101

SOIC8WB, 8-pin wide body enclosure: NCD57090A, NCD57090B, NCD57090C, NCD57090D, NCD57090E, NCD57090F, NCV57090A, NCV57090B, NCV57090C, NCV57090D, NCV57090E, NCV57090F, NCD57091A, NCD57091B, NCD57091C, NCV57091A, NCV57091B, NCV57091C

CL&CR of the products are 8,0 mm

Models are the same in safety wise. Differences are in electrical functions or parameters, for example in propagation delay.

Max operating temperature of the devices is 125 °C.

For ITAV aplications, based on test voltages, isolators can be used in implementation where required withstand voltage is max. 2,5kVp/(AC mains line-to-line max. 400 V/OVC II, reinforced insulation). Complying other insulation requirements construction of the isolators, final assembly as well as environmental conditions shall be considered.

This certificate is based on and replaces previous certificate F/41310, dated 24 April 2022, due to addition of new models.

As shown in the Test Report(s) No(s):

HELES2110001091-1, HELES2110001091-1 Amendment 1



Manufacturer

Manufacturing site

Directive information

Additional information

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