

Demko Certificate

Product: Optoinsulator for bridging of reinforced insulation
Manufacturer: Fairchild Semiconductor
3001 Orchard Parkway, San Jose, CA-95134, USA
Production site: Lite-On Electronics (Thailand) Co., Ltd.
38/4 Moo 1, Rangsit-Ongkarak Road, Bungyeetoh,
Tanyaburi, Pathumthani 12130, Thailand
Certified by request of: Same as manufacturer
Trademark: FAIRCHILD
Model/Type ref.: See appendix
Rated current or power: -
Rated voltage: -
Insulation Class: -
Degree of protection: -
Additional information: See appendix

Variants covered by this certificate are specified in the attached appendix.
Detailed specification of the certified product(s) is listed in the appendix.

A sample of the product has been tested and found in conformity with EMKO-TSE(92-SEC) 208/94 + EN 60065:1998 + EN 60950:2000.

Furthermore, the product complies with the national deviations in Denmark.

Date of expiry: 2005-01-01

Information on the date of expiry: See the covering letter to this certificate.

UL International Demko AIS is a body notified to the Member States and Commission of the European Communities according to the provisions of Article 8 of the Low Voltage Directive.

The Manufacturer complies with the Production Surveillance Requirements.

Products included in this certificate are allowed to carry the registered approval marks of UL International Demko AIS, ® or for cables <DEMKO>. The name of UL International Demko AIS can be used in the marketing of the products as well.

This certificate is only valid for products, which are identical to the certified product, and manufactured at the above mentioned production site(s). UL International Demko AIS has to be informed in writing about any changes, in accordance with the "UL International Demko AIS Standard Terms and Conditions" for UL International Demko AIS services.

Herlev, 2004-07-08


Karina Christiansen
Certification Manager

UL International Demko A/S

Lyskaer 8, P.O. Box 514
DK-2730 Herlev, Denmark
Telephone: +45 44856565
Fax: +45 44856500



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Appendix to Demko Certificate No. 311733-02/A1

The Certificate covers the following:

311733-02-0001; HMA121#;

311733-02-0002; HMA124#;

311733-02-0003; HMA181#;

311733-02-0004; HMA2701#;

311733-02-0005; HMAA2705#;

311733-02-0006; HMHAA280#;

311733-02-0007; HMHA2801#;

311733-02-0008; HMHA281#;

Type key: HM.....#: The suffix# May be nothing or any letter representing CTR (Current Transfer Ratio)

The following tests have been performed with positive result:

General:

Creepage distance between input and output:>5 mm.

Distance through insulation: >0.5mm

Humidity test: 48h. in 93% relative humidity. Electric strength test 3000 V/1 min.

Internal creepage distance not measured, tests according to EN 60950 2.9.6 have been performed with positive result.

Special tests according to EN 60950.

Thermal cycling test. 10 cycles. Each cycle: 68 h in 100°C, 1 h in 25°C. 2 h in 0°C and 1 h in 25°C.

After the cycling test a humidity test for 48 h in 93% relative humidity. Electric strength test between input and output 4800 V/1 minute.

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Appendix to Demko Certificate No. 311733-02/A1

This certificate replaces the certificate No. 311733-02 of 2002-10-07 due to changing in production site.

The certificate has been issued on the basis of Nordic certification Service, certificate No. 202172, issued by SEMKO, dated 2002-10-02.

Herlev, 2004-07-08


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