

Demko Certificate

Product: Optocoupler
Manufacturer: Fairchild Semiconductor
3001 Orchard Parkway, San Jose, CA 95134, UNITED STATES
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 EN 60950-1:2001

Date of expiry: 2010-12-01

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

UL International Demko A/S 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 A/S, or for cables <DEMKO>. The name of UL International Demko A/S can be used in the marketing of the products. This Statement is only valid for products, which are identical to the tested product, and manufactured at the above-mentioned production site(s). UL International Demko A/S has to be informed in writing about any changes, in accordance with the "UL International Demko A/S Standard Terms and Conditions" for UL International Demko A/S services. The validity of this certificate is shortened if the EU legislation requires re-testing and re-certification, due to new standards or amendments coming into force, before the expiry date.

Herlev, 2007-03-08


Karina Christiansen
Certification Manager

UL International Demko A/S

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Appendix to Demko Certificate No. 314205-01

Additional Information:

The following tests have been performed with positive result:

External creepage distances between the input and output are more than 5 mm; measured a minimum of 7.9 mm.

External clearances distances between the input and output are more than 4mm; measured a minimum of 7.9 mm.

Internal creepage distances between the input and output are more than 4 mm; measured a minimum of 4.5 mm

Distance through insulation between the input and output is required 0.4 mm; measured 0.4 mm.

Insulation between input and output withstands electric strength test of 3 000 V/1 minute; it withstands even electric strength test of 5 000V/1 minute.

Enclosure of the component withstands electric strength test of 1 500 V/ 1 minute between the pins of input and enclosure and it fulfils the requirement of the basic insulation.

Flammability class of the outer moulding material is V-D

After judgement from cases to case, the optocoupler can bridge basic, supplementary or reinforced insulation, provided that the ratings in data sheet are not exceeded in normal operation or under fault conditions in the appliance.

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Appendix to Demko Certificate No. 314205-01

The Certificate covers the following:

01; FOD410;
02; FOD4108;
03; FOD4116;
04; FOD4117;
05; FOD4118;
06; FOD420;
07; FOD4208;
08; FOD4216;
09; FOD4217;
10; FOD4218;
11; FODC1;
12; FODC2;
13; FODC3;
14; FODC4;
15; FODC5;
16; FODC6;
17; FODC7;
18; FODC8;

The certificate has been issued on the basis of Nordic certification Service, certificate No. FI 23201, issued by SGS Fimko Ltd., dated 2007-02-26

Herlev, 2007-03-08


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Certification Manager

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