

Product	Optocouplers
Applicant	Fairchild Semiconductor 3030 Orchard Parkway San Jose, CA 95134 USA
Manufacturer	Fairchild Semiconductor 3030 Orchard Parkway San Jose, CA 95134 USA
Factory	Lite-On Electronics (Thailand) Co. Ltd 38/4 Moo 1, Rangsit-Ongkarak Road, Bunyeetoh Tanyaburi, Pathumthani 12130 Thailand
Ratings	-
Trade mark	Fairchild
Model / Type Ref.	FOD41..
Principal characteristics	The dots ".." in the model designation may be 0, 08, 16, 17 or 18.
A sample of the product was tested and found to be in conformity with	OFF EN 60950-1:2006;A11;A1;A12;A2
Replaces	This certificate replaces previous certificate No. P13216648, due to standard updating.
Validity	This certificate documents conformity with the standards shown, and also applies as license for use of Nemkos name and certification mark. The certificate and license is valid as long as the applicable conditions are complied with, and provided that any changes to the product are notified to Nemko for acceptance prior to implementation. New standards or amendments to the standards may imply that the product design must be updated and/or that re-testing and re-certification is necessary.
Additional information	See page 2
Additional model(s)	(2) See page 2

Date of issue 01-12-2015



Nastaran Vadoodi
Certification Department

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Additional model(s)

Product Optocouplers
Pos. No 1
Model / Type Ref. FOD42..
Trade mark (if different from page 1) -
Rating -
Principal characteristics The dots "." in the model designation may be 0, 08, 16, 17 or 18.

Product Optocouplers
Pos. No 2
Model / Type Ref. FODC.
Trade mark (if different from page 1) -
Rating -
Principal characteristics The dot "." in the model designation may be 1, 2, 3, 4, 5, 6, 7 or 8.

Additional information

The following tests have been performed with positive result:
External creepage distances between input and output are more than 5mm;
measured a minimum of 7.9mm.
External clearance distances between input and output are more than 4mm;
measured a minimum of 7.9mm.
Internal creepage distances between input and output are more than 4mm;
measured a minimum of 4.5mm.
Distances through insulation between input and output is required 0.4mm;
measured 0.4mm.
Insulation between input and output withstands electric strength test of
3000V/1minute. It whitstands even electric strength of 5000V/1minute.
Enclosure of the component withstands electric strength test of
1500V/1minute between pins of input and enclosure and fulfils the
requirements of basic insulation.
Flammability class of the outer moulding material is V-0.
After judgement from case to case, the optocoupler can bridge basic,
supplementart 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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