

Product	Optocouplers
Applicant	Fairchild Semiconductor Pte Ltd 54 Serangoon North Ave 4#02-01 555854 Singapore Singapore
Manufacturer	Fairchild Semiconductor 3030 Orchard Parkway CA 95134 San Jose USA
Factory	Lite-On Electronics (Thailand) Co. Ltd 38/4 Moo 1, Rangsit-Ongkarak Road, Bunyeetoh Tanyaburi, Pathumthani 12130 Thailand <input type="checkbox"/> See next page(s)
Ratings	-
Trade mark	F or QTC
Model / Type Ref.	4N..
Principal characteristics	May bridge basic, supplementary or reinforced insulation (OVC II, <250Vrms, <420Vpeak, PD2). Models included: 4N25, 4N26, 4N28, 4N35, 4N36, 4N37. Models may have suffix M <input type="checkbox"/> See next page(s)
A sample of the product was tested and found to be in conformity with	TRON            EN 60065:2002;A1;A11;A2;A12 OFF            EN 60950-1:2006;A11;A1;A12;A2
Replaces	This certificate replaces previous certificate No. P13216649, 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	<input checked="" type="checkbox"/> Additional information on page 4
Additional model(s)	<input checked="" type="checkbox"/> See next page(s)

Date of issue 29-10-2015

*Nastaran Vadoodi*

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Certification Department

**Nemko AS**

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ENTERPRISE NUMBER NO974404532

Product	Optocouplers
Pos. No	1
Model / Type Ref.	MC....
Trade mark (if different from page 1)	
Rating	-
Principal characteristics	May bridge basic, supplementary or reinforced insulation (OVC II, <250Vrms, <420Vpeak, PD2. Models included: MCT2, MCT2E, MCT210, MCT271, MCT2200, MCT2201, MCT2202. Models may have suffix M.
Product	Optocouplers
Pos. No	2
Model / Type Ref.	TIL1..
Trade mark (if different from page 1)	
Rating	-
Principal characteristics	May bridge basic, supplementary or reinforced insulation (OVC II, <250Vrms, <420Vpeak, PD2. Models included: TIL111, TIL117. Models may have suffix M
Product	Optocouplers
Pos. No	3
Model / Type Ref.	H11L...
Trade mark (if different from page 1)	F
Rating	-
Principal characteristics	May bridge basic, supplementary or reinforced insulation (OVC II, <250Vrms, <420Vpeak, PD2). Models included: H11L1, H11L2, H11L3. Models may have suffix M
Product	Optocouplers
Pos. No	4
Model / Type Ref.	MOC....
Trade mark (if different from page 1)	
Rating	-
Principal characteristics	May bridge basic, supplementary or reinforced insulation (OVC II, <250Vrms, <420Vpeak, PD2 Models included: MOC8101, MOC8102, MOC8103, MOC8104, MOC8105, MOC8106, MOC8107, MOC8108, MOC3010, MOC3011, MOC3012, MOC3020, MOC3021, MOC3022, MOC3023, MOC3051, MOC3052, MOC3031, MOC3032, MOC3033, MOC3041, MOC3042, MOC3043, MOC3061, MOC3062, MOC3063, MOC3162, MOC3163, MOC3081, MOC3082, MOC3083. Models may have suffix M

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Product	Optocouplers
Pos. No	5
Model / Type Ref.	H11N...
Trade mark (if different from page 1)	F
Rating	-
Principal characteristics	May bridge basic, supplementary or reinforced insulation (OVC II, <250Vrms, <420Vpeak, PD2). Models included: H11N1, H11N2. Models may have suffix M
Product	Optocouplers
Pos. No	6
Model / Type Ref.	H11G...
Trade mark (if different from page 1)	F
Rating	-
Principal characteristics	May bridge basic, supplementary or reinforced insulation (OVC II, <250Vrms, <420Vpeak, PD2). Models included: H11G1, H11G2. Models may have suffix M
Product	Optocouplers
Pos. No	7
Model / Type Ref.	H11D...
Trade mark (if different from page 1)	F
Rating	-
Principal characteristics	May bridge basic, supplementary or reinforced insulation (OVC II, <250Vrms, <420Vpeak, PD2). Models included: H11D1, H11D3, MOC8204. Models may have suffix M
Product	Optocouplers
Pos. No	8
Model / Type Ref.	H11B...
Trade mark (if different from page 1)	F
Rating	-
Principal characteristics	May bridge basic, supplementary or reinforced insulation (OVC II, <250Vrms, <420Vpeak, PD2). Models included: H11B1, TIL113, 4N29, 4N30, 4N32, 4N33. Models may have suffix M

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Product	Optocouplers
Pos. No	9
Model / Type Ref.	CNY17-
Trade mark (if different from page 1)	
Rating	-
Principal characteristics	May bridge basic, supplementary or reinforced insulation (OVC II, <250Vrms, <420Vpeak, PD2. Models included: CNY17-1, CNY17-2, CNY17-4, CNY17-F1, CNY17-F2, CNY17-F3, CNY17-F4. Models may have suffix M
Product	Optocouplers
Pos. No	10
Model / Type Ref.	H11....
Trade mark (if different from page 1)	F
Rating	-
Principal characteristics	May bridge basic, supplementary or reinforced insulation (OVC II, <250Vrms, <420Vpeak, PD2. Models included: H11A1, H11A2, H11A3, H11A4, H11A5. Models may have suffix M
Additional information	External creepage distance between input and output: >8mm Distance through insulation: >0.5mm. Humidity test: 48h in 30C/93%rH. Electric strength test 4800V/1min. Internal creepage distance not measured, tests according to cl. 2.10.11 have been performed with positive result.

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