

CERTIFICATE OF COMPLIANCE

Certificate Number E132003
Report Reference E132003-20100330
Issue Date 2020-MARCH-23

Issued to: DELTA ELECTRONICS INC
252 Shang Ying Road
Kuei Shan District
Taoyuan City
333 TAIWAN

This certificate confirms that representative samples of COMPONENT - FANS, ELECTRIC
See Addendum Page

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: Electric Fans, UL 507
Fans and Ventilators, CSA C22.2 No. 113-18

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

USR, CNR Component – DC Fans

Model Nos.

AFB0624L-Q(Y) ,AFB0624M-Q(Y) ,AFB0624H-Q(Y) ,AFB0624HH-Q(Y) , ,AFB0624HH-9U65(Y) ,PFC1548DG-SP(Y) ,AFB0624VH-Q(Y) , ,AFB0624VH-9U90(Y) ,AFB0624SH-Q(Y) , ,AFB0624SH-9U64(Y) ,AFB0624EH-Q(Y) .

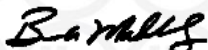
Note: Above (Y) may be xxxxx, where x may be A through Z, 0 through 9, “-” or blank.

BSBX103HK-00(Y6) ,BSB01503HA3-00(Y4) ,KFC0712SJ-00(Y6) ,BFM1012UH(Y9) ,NS75C20(Y11) ,TCA1724AT-00(Y6) ,ASB0205LA-00 ,ASB0205MA-00 ,ASB0205HA-00 ,BUB0612HJ-01(Y6) ,THD2048MT(Y9) ,ASB01703HA-00(Y5) ,ND35C02(Y11) ,THB2048HG-01(Y6).

Note: The number after Y represents digit, each digit may be A through Z, 0 through 9, “-” or blank

ND75C20(Y11) ,ND75C21(Y11) ,BSB1212MF-00(Y6) ,ND55C48(Y11) ,BSB1212ME-00(Y6) ,BSB01703HA3-00(Y4) ,THA1224GE-00(Y6) , GFM0912HS-01(Y6)/ GFB0912ES-E(Y7) ,AFB03505HA-C(Y6) ,AFB03505MA-C(Y6) ,AFB03505LA-C(Y6) ,AFB03512HA-C(Y6) ,AFB03512MA-C(Y6) ,AFB03512LA-C(Y6) ,AFB02505HHA-C(Y5) ,AFB02505HA-C(Y6) ,AFB02505MA-C(Y6) ,AFB02505LA-C(Y6) ,NS75C22(Y11) ,GFM0812SS-02(Y6) ,GFM0412SS-03(Y6)/ GFB0412ES-E(Y7) ,BUC1012VJ-00(Y6) ,BSC0805HA-00(Y6) ,PFM1212SF-00(Y6) ,AUC0912HN-02(Y6) ,E97378(Y12) ,DTC-DAA(Y11) ,E97379(Y12) ,DTC-DAB(T11) ,TCA1748BT-00(Y6) ,**PFB1212SE-00(Y6)** ,ND75C30(Y11) , GFM0812SS-03(Y6)/GFB0812ES-E(Y6) ,NS85C27(Y11) ,AFB0612LC-00(Y6) ,GFM0412SS-05(Y6) ,NS85B24(Y11) ,AFL2212HW-00(Y6) ,AFL2212LW-00(Y6) ,KFC0712SN-00(Y6) ,NS75C32(Y11) ,NS75C33(Y11).

Note: The content in “()” is optional. The number after Y represents digits, each digit may be A through Z, 0 through 9, “-” or blank. And the Y is only for locating the number, shall not show in the model name.



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UL LLC

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Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50415728

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*
SF180717A

Unser Zeichen *Our Reference*
ZTW1-YML-50165285 001

Ausstellungsdatum
14.08.2018

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*

Delta Electronics, Inc.
252, Shangying Road,
Guishan Industrial Zone,
Taoyuan City 33341
Taiwan

Fertigungsstätte *Manufacturing Plant*

Refer to latest revision
of the annex list of factories

Prüfzeichen *Test Mark*



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

www.tuv.com
ID 1419061179

Geprüft nach *Tested acc. to*

IEC 62368-1:2014
EN 62368-1:2014

**Zertifiziertes Produkt (Geräteidentifikation)
*Certified Product (Product Identification)***

**Lizenzentgelte - Einheit
*License Fee - Unit***

Ventilator (DC Brushless Fan)

Bezeichnung (Type Designation)	: PFB1212SE-00XXXXXX	6
X steht für (stands for)	: A-Z, 0-9, - oder (or) freibleibend (blank)	1
Nur zum Zwecke der Vermarktung. (for marketing purpose only)		
Nennspannung (Rated Voltage)	: DC 12V	
Nennstrom (Rated Current)	: 7.2A	
Max. Umgebungstemperatur (Max. Ambient Temperature)	: 70°C	
Schutzklasse (Protection Class)	: III	

Vermerke: Dieses Netzgerät ist auch geprüft und klassifiziert als MS1 in Tabelle 35 von Abschnitt 8.2.1.
(Remark: The equipment is also tested and classified as MS1 in Table 35 of sub-clause 8.2.1.)

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ANLAGE (Appendix): 1.00

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety

Zertifizierungsstelle



Albin Yang

Declaration of Conformity

Manufacturer name: Delta Electronics, Inc.

Add: 252, Shangying Road, Guishan Industrial Zone, Taoyuan City 33341, Taiwan

Tel: 886-3-359-1968

Fax: 886-3-359-1991

EU Contact address:

Delta Electronics (Netherlands) BV

Zandsteen 15, 2132 MZ Hoofddorp, The Netherlands

Is herewith confirmed the following equipment

Product: DC Fan

Type Designation: **PFB1212SE-00XXXXXX**, THD0612VE-00XXXXXX, GFC0648HW-00XXXXXX, THB1224CE-00XXXXXX, GFC0648SS-00XXXXXX, PFR0848HE-00XXXXXX, THD0848VE-00XXXXXX, GFM0812SS-03XXXXXX, AFB0612LC-00XXXXXX, FFB0448EN-00XXXXXX, PFB0412EN-EXXXXXXX, ASB0305HA-DXXXXXX, ASB0305MA-DXXXXXX, ASB0305LA-DXXXXXX, ASB0312HA-DXXXXXX, ASB0312MA-DXXXXXX, ASB0312LA-DXXXXXX, PFR0648SE-00XXXXXX, PFM0612SE-04XXXXXX, **AUB0912HJ-01XXXXXX, AUB0912MJ-01XXXXXX, AUB0912LJ-01XXXXXX, THD1212ME-00XXXXXX**

(X stands for 0-9, A-Z, - or blank for marketing purpose only)

Comply with the following directives and requirements set out in the Council Directive on the Approximation for the Laws of the Member States

- Low Voltage Directive 2014/35/EU
 - EN 62368-1: 2014 (Report No.: R 50415728)
 - EN 60335-1: 2012+A11 (Report No.:)
 - EN 60335-2-80:2003+A1:2004+A2:2009 (Report No.:)
 - EN 60335-2-40:2003+A11+A12+A1+A2+A13 (Report No.:)
 - EN 62233:2008 (Report No.:)
- Risk Assessment Report (Report No.: R 50415728_P.1-P.11_RA)
- RoHS Directive (EU) 2015/863
 - EN 50581: 2012
(Ref. No.: R 50415728_P.1-P.11_RoHS)

ErP Directive 2009/125/EC, Commission Regulation (EU) No 327/2011

(Report No.: ErP-201902/11, ErP-20150325)

Person responsible for making this declaration

Name, Surname: Tammy Chen

Title: Senior Safety Engineer

Place: Taiwan, Delta

Date: 2019-05-15

Signature: 