

접 수 번 호 : 20-026047-01-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU10578-20001
(Certificate No.)

제 조 업 자/수 입 업 자 명 : Guangdong Keerda Electronics Co.,Ltd
(Manufacturer/importer)

주 소 : Xintang Road, Shilong Industrial District, Lunjiao Town, Shunde District, Foshan City, Guangdong, China
(Address)

제 품 명 : 직류전원장치(AC ADAPTER)
(Product)

기 본 모 델 명 : DZ018CHL060300K
(Basic Model)

파 생 모 델 명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : 100 - 240 V~, 50/60 Hz, 0.5 A(Output: 6 Vdc, 3 A, 18.0 W)
(Rating)

시 험 기 준 : K60950-1(2011-12)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : Guangdong Keerda Electronics Co.,Ltd
제조공장의 주소 : Xintang Road, Shilong Industrial District, Lunjiao Town, Shunde District, Foshan City, Guangdong, China
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라 안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2),9(4),10(2) or 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2020 년 05 월 20 일
Year month day

한국산업기술시험원장
KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류

1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 변경 현황 (Revisions Status)

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

| 부품명(회로기호) Component(Part no.) | 제조사(상표명) Manufacturer(Brand) | 모델명(형식) Model(Type) | 정격 또는 특성 Rating or Characteristics | 인증마크 Tested by |
|----------------------------------|---|---|--|-------------------|
| Enclosure | COVESTRO DEUTSCHLAND AG | 6265X + (z)(f1) | PC, V-0, 115 °C, Min. thickness: 1.5 mm | UL |
| (Alternative) | SABIC INNOVATIVE PLASTICS B.V | 940(f1) | PC, V-0, 120 °C, Min. thickness: 1.5 mm | UL |
| (Alternative) | SABIC INNOVATIVE PLASTICS US LLC | 940(f1),ML1655R(f1) | PC, V-0, 120 °C, Min. thickness: 1.5 mm | UL |
| Plug holder | COVESTRO DEUTSCHLAND AG | 6265X + (z)(f1) | PC, V-0, 115 °C, Min. thickness: 1.5 mm | UL |
| (Alternative) | SABIC INNOVATIVE PLASTICS B.V | 940(f1) | PC, V-0, 120 °C, Min. thickness: 1.5 mm | UL |
| (Alternative) | SABIC INNOVATIVE PLASTICS US LLC | 940(f1),ML1655R(f1) | PC, V-0, 120 °C, Min. thickness: 1.5 mm | UL |
| material of Plug pin | - | - | Cu(63.5 % - 68.0 %) | - |
| PCB | FOSHANSHI SHUNDE QU LELIUZHEN SHENGMEIDA ELECTRONIC CO LTD | SM-B, SM-D | 130 °C, V-0 | UL |
| (Alternative) | KINGBOARD LAMINATES HOLDINGS LTD | KB-3151S, KB-3152C, KB-3152, KB-5150, KB-5152, KB-5252 | 130 °C, V-0 | UL |
| (Alternative) | SHANDONG JINBAO ELECTRONICS CO LTD | ZD-95(G)F, ZD-95(G)F1, ZD-95(G)F3, ZD-95(G)F6, ZD-68(G)F, ZD-68(G)F1 | 130 °C, V-0 | UL |
| (Alternative) | interchangeable | interchangeable | 130 °C, V-0 or better | UL |
| Fuse(F1) | Xiamen Dexian Electronics Technology Co., Ltd | DET T2A250V | AC250 V, T2 A | KC |
| (Alternative) | Zhongshan Lanbao Electrical Appliances Co., Ltd. | TR T2A 250V | AC250 V, T2 A | KC |
| (Alternative) | Shanghai Fullness Electrical Co., Ltd. | TSP 2A 250VAC | AC250 V, T2 A | KC |
| (Alternative) | Hollyland (Xiamen) Technology Corporation Limited | 5ET 250V 2A | AC250 V, T2 A | KC |
| (Alternative) | Dongguan Hongda Electronic Technology Co., Ltd. | 2009 T2A250V | AC250 V, T2 A | KC |

| 부품명(회로기호) Component(Part no.) | 제조사(상표명) Manufacturer(Brand) | 모델명(형식) Model(Type) | 정격 또는 특성 Rating or Characteristics | 인증마크 Tested by |
|----------------------------------|---|-------------------------|---------------------------------------|-----------------------|
| (Alternative) | Dongguan Better Electronics Technology Co., Ltd | 932 T2AL250V | AC250 V, T2 A | KC |
| Line-filter(LF1) | GUANGDONG KEERDA ELECTRONICS CO LTD | EE8.3 | 130 °C, 20 mH | Tested with appliance |
| (Alternative) | FOSHAN PENGXIANGXIN ELECTRONIC LTD CO, LTD. | EE8.3 | 130 °C, 20 mH | Tested with appliance |
| (Alternative) | Dongguan Zhen Wei Electronics Co., Ltd. | EE8.3 | 130 °C, 20 mH | Tested with appliance |
| Y-Capacitor (CY1) | JYJ HSU (JEC) ELECTRONICS LTD | JD Y1 400V 2200pF | Y1, AC400 V, 1000 pF | KC |
| (Alternative) | Dongguan Easy-gather Electronic Company Limited | DCF222MY5V | Y1, AC250 V, 1000 pF | KC |
| (Alternative) | Shantou High-New Technology Development Zone Songtian Enterprise Co., Ltd | CD | Y1, AC250 V, 1000 pF | KC |
| (Alternative) | Dongguan QinHong (QNR) Electronic Technology Co LTD | CT7 Y1 1000pF | Y1, AC250 V, 1000 pF | KC |
| (Alternative) | Shenzhen Haotian Electronic Co.,Ltd. | HT 222M Y1 250V~ | Y1, AC250 V, 1000 pF | KC |
| (Alternative) | SUCCESS ELECTRONICS (HUIZHOU)CO., LTD | SB | Y1, AC250 V, 1000 pF | KC |
| (Alternative) | SUCCESS ELECTRONICS (HUIZHOU)CO., LTD | SE | Y1, AC250 V, 1000 pF | KC |
| (Alternative) | Dongguan Cigu Electronic Technology Co., Ltd | CD 2200pF Y5U | Y1, AC250 V, 1000 pF | KC |
| (Alternative) | DONGGUAN CITY DAFU ELECTRONICS CO LTD | CT7 Y1 250V 1000pF | Y1, AC250 V, 1000 pF | KC |
| Transformer(T1) | GUANGDONG KEERDA ELECTRONICS CO., LTD | ZHIDIAN-18C (EE1710-5V) | Class B | Tested with appliance |

| 부품명(회로기호) Component(Part no.) | 제조사(상표명) Manufacturer(Brand) | 모델명(형식) Model(Type) | 정격 또는 특성 Rating or Characteristics | 인증마크 Tested by |
|---|---------------------------------|------------------------|---------------------------------------|-------------------|
| <p><input type="checkbox"/> 유의사항 (Attention) :</p> <p>1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.</p> <p><i>As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.</i></p> <p>2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.</p> <p><i>The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.</i></p> | | | | |

FP511-04

☐ 첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

| 파생모델명 Derivative model | 기본모델과의 차이점 Differences between the basic and derivative model(s) |
|---------------------------|---|
| DZ018CHL050200K | Same as basic model except for output rating(5.0 Vdc, 2.0 A) |
| DZ018CHL050210K | Same as basic model except for output rating(5.0 Vdc, 2.1 A) |
| DZ018CHL050220K | Same as basic model except for output rating(5.0 Vdc, 2.2 A) |
| DZ018CHL050230K | Same as basic model except for output rating(5.0 Vdc, 2.3 A) |
| DZ018CHL050240K | Same as basic model except for output rating(5.0 Vdc, 2.4 A) |
| DZ018CHL050250K | Same as basic model except for output rating(5.0 Vdc, 2.5 A) |
| DZ018CHL050260K | Same as basic model except for output rating(5.0 Vdc, 2.6 A) |
| DZ018CHL050270K | Same as basic model except for output rating(5.0 Vdc, 2.7 A) |
| DZ018CHL050280K | Same as basic model except for output rating(5.0 Vdc, 2.8 A) |
| DZ018CHL050290K | Same as basic model except for output rating(5.0 Vdc, 2.9 A) |
| DZ018CHL050300K | Same as basic model except for output rating(5.0 Vdc, 3.0 A) |
| DZ018CHL050310K | Same as basic model except for output rating(5.0 Vdc, 3.1 A) |
| DZ018CHL050320K | Same as basic model except for output rating(5.0 Vdc, 3.2 A) |
| DZ018CHL055250K | Same as basic model except for output rating(5.5 Vdc, 2.5 A) |
| DZ018CHL055300K | Same as basic model except for output rating(5.5 Vdc, 3.0 A) |
| DZ018CHL055320K | Same as basic model except for output rating(5.5 Vdc, 3.2 A) |
| DZ018CHL058200K | Same as basic model except for output rating(5.8 Vdc, 2.0 A) |
| DZ018CHL058300K | Same as basic model except for output rating(5.8 Vdc, 3.0 A) |
| DZ018CHL060180K | Same as basic model except for output rating(6.0 Vdc, 1.8 A) |
| DZ018CHL060200K | Same as basic model except for output rating(6.0 Vdc, 2.0 A) |
| DZ018CHL060220K | Same as basic model except for output rating(6.0 Vdc, 2.2 A) |
| DZ018CHL060240K | Same as basic model except for output rating(6.0 Vdc, 2.4 A) |
| DZ018CHL060250K | Same as basic model except for output rating(6.0 Vdc, 2.5 A) |
| DZ018CHL060270K | Same as basic model except for output rating(6.0 Vdc, 2.7 A) |
| DZ018CHL060280K | Same as basic model except for output rating(6.0 Vdc, 2.8 A) |
| DZ018CHL065200K | Same as basic model except for output rating(6.5 Vdc, 2.0 A) |
| DZ018CHL065230K | Same as basic model except for output rating(6.5 Vdc, 2.3 A) |
| DZ018CHL065250K | Same as basic model except for output rating(6.5 Vdc, 2.5 A) |

| 파생모델명 Derivative model | 기본모델과의 차이점 Differences between the basic and derivative model(s) |
|---------------------------|--|
| DZ018CHL070150K | Same as basic model except for output rating(7.0 Vdc, 1.5 A) |
| DZ018CHL070180K | Same as basic model except for output rating(7.0 Vdc, 1.8 A) |
| DZ018CHL070200K | Same as basic model except for output rating(7.0 Vdc, 2.0 A) |
| DZ018CHL070250K | Same as basic model except for output rating(7.0 Vdc, 2.5 A) |
| DZ018CHL075150K | Same as basic model except for output rating(7.5 Vdc, 1.5 A) |
| DZ018CHL075200K | Same as basic model except for output rating(7.5 Vdc, 2.0 A) |
| DZ018CHL075240K | Same as basic model except for output rating(7.5 Vdc, 2.4 A) |
| DZ018CHL080150K | Same as basic model except for output rating(8.0 Vdc, 1.5 A) |
| DZ018CHL080180K | Same as basic model except for output rating(8.0 Vdc, 1.8 A) |
| DZ018CHL080200K | Same as basic model except for output rating(8.0 Vdc, 2.0 A) |
| DZ018CHL084100K | Same as basic model except for output rating(8.4 Vdc, 1.0 A) |
| DZ018CHL084120K | Same as basic model except for output rating(8.4 Vdc, 1.2 A) |
| DZ018CHL084150K | Same as basic model except for output rating(8.4 Vdc, 1.5 A) |
| DZ018CHL084180K | Same as basic model except for output rating(8.4 Vdc, 1.8 A) |
| DZ018CHL084200K | Same as basic model except for output rating(8.4 Vdc, 2.0 A) |
| DZ018CHL085150K | Same as basic model except for output rating(8.5 Vdc, 1.5 A) |
| DZ018CHL085200K | Same as basic model except for output rating(8.5 Vdc, 2.0 A) |
| DZ018EHL050200H | Same as basic model except for output rating(5.0 Vdc, 2.0 A) and Input type(detachable plug) |
| DZ018EHL050210H | Same as basic model except for output rating(5.0 Vdc, 2.1 A) and Input type(detachable plug) |
| DZ018EHL050220H | Same as basic model except for output rating(5.0 Vdc, 2.2 A) and Input type(detachable plug) |
| DZ018EHL050230H | Same as basic model except for output rating(5.0 Vdc, 2.3 A) and Input type(detachable plug) |
| DZ018EHL050240H | Same as basic model except for output rating(5.0 Vdc, 2.4 A) and Input type(detachable plug) |
| DZ018EHL050250H | Same as basic model except for output rating(5.0 Vdc, 2.5 A) and Input type(detachable plug) |
| DZ018EHL050260H | Same as basic model except for output rating(5.0 Vdc, 2.6 A) and Input type(detachable plug) |
| DZ018EHL050270H | Same as basic model except for output rating(5.0 Vdc, 2.7 A) and Input type(detachable plug) |
| DZ018EHL050280H | Same as basic model except for output rating(5.0 Vdc, 2.8 A) and Input type(detachable plug) |
| DZ018EHL050290H | Same as basic model except for output rating(5.0 Vdc, 2.9 A) and Input type(detachable plug) |

| 파생모델명 Derivative model | 기본모델과의 차이점 Differences between the basic and derivative model(s) |
|---------------------------|--|
| DZ018EHL050300H | Same as basic model except for output rating(5.0 Vdc, 3.0 A) and Input type(detachable plug) |
| DZ018EHL050310H | Same as basic model except for output rating(5.0 Vdc, 3.1 A) and Input type(detachable plug) |
| DZ018EHL050320H | Same as basic model except for output rating(5.0 Vdc, 3.2 A) and Input type(detachable plug) |
| DZ018EHL055250H | Same as basic model except for output rating(5.5 Vdc, 2.5 A) and Input type(detachable plug) |
| DZ018EHL055300H | Same as basic model except for output rating(5.5 Vdc, 3.0 A) and Input type(detachable plug) |
| DZ018EHL055320H | Same as basic model except for output rating(5.5 Vdc, 3.2 A) and Input type(detachable plug) |
| DZ018EHL058200H | Same as basic model except for output rating(5.8 Vdc, 2.0 A) and Input type(detachable plug) |
| DZ018EHL058300H | Same as basic model except for output rating(5.8 Vdc, 3.0 A) and Input type(detachable plug) |
| DZ018EHL060180H | Same as basic model except for output rating(6.0 Vdc, 1.8 A) and Input type(detachable plug) |
| DZ018EHL060200H | Same as basic model except for output rating(6.0 Vdc, 2.0 A) and Input type(detachable plug) |
| DZ018EHL060220H | Same as basic model except for output rating(6.0 Vdc, 2.2 A) and Input type(detachable plug) |
| DZ018EHL060240H | Same as basic model except for output rating(6.0 Vdc, 2.4 A) and Input type(detachable plug) |
| DZ018EHL060250H | Same as basic model except for output rating(6.0 Vdc, 2.5 A) and Input type(detachable plug) |
| DZ018EHL060270H | Same as basic model except for output rating(6.0 Vdc, 2.7 A) and Input type(detachable plug) |
| DZ018EHL060280H | Same as basic model except for output rating(6.0 Vdc, 2.8 A) and Input type(detachable plug) |
| DZ018EHL060300H | Same as basic model except for output rating(6.0 Vdc, 3.0 A) and Input type(detachable plug) |
| DZ018EHL065200H | Same as basic model except for output rating(6.5 Vdc, 2.0 A) and Input type(detachable plug) |
| DZ018EHL065230H | Same as basic model except for output rating(6.5 Vdc, 2.3 A) and Input type(detachable plug) |
| DZ018EHL065250H | Same as basic model except for output rating(6.5 Vdc, 2.5 A) and Input type(detachable plug) |
| DZ018EHL070150H | Same as basic model except for output rating(7.0 Vdc, 1.5 A) and Input type(detachable plug) |
| DZ018EHL070180H | Same as basic model except for output rating(7.0 Vdc, 1.8 A) and Input type(detachable plug) |
| DZ018EHL070200H | Same as basic model except for output rating(7.0 Vdc, 2.0 A) and Input type(detachable plug) |
| DZ018EHL070250H | Same as basic model except for output rating(7.0 Vdc, 2.5 A) and Input type(detachable plug) |
| DZ018EHL075150H | Same as basic model except for output rating(7.5 Vdc, 1.5 A) and Input type(detachable plug) |

| 파생모델명 Derivative model | 기본모델과의 차이점 Differences between the basic and derivative model(s) |
|---------------------------|--|
| DZ018EHL075200H | Same as basic model except for output rating(7.5 Vdc, 2.0 A) and Input type(detachable plug) |
| DZ018EHL075240H | Same as basic model except for output rating(7.5 Vdc, 2.4 A) and Input type(detachable plug) |
| DZ018EHL080150H | Same as basic model except for output rating(8.0 Vdc, 1.5 A) and Input type(detachable plug) |
| DZ018EHL080180H | Same as basic model except for output rating(8.0 Vdc, 1.8 A) and Input type(detachable plug) |
| DZ018EHL080200H | Same as basic model except for output rating(8.0 Vdc, 2.0 A) and Input type(detachable plug) |
| DZ018EHL084100H | Same as basic model except for output rating(8.4 Vdc, 1.0 A) and Input type(detachable plug) |
| DZ018EHL084120H | Same as basic model except for output rating(8.4 Vdc, 1.2 A) and Input type(detachable plug) |
| DZ018EHL084150H | Same as basic model except for output rating(8.4 Vdc, 1.5 A) and Input type(detachable plug) |
| DZ018EHL084180H | Same as basic model except for output rating(8.4 Vdc, 1.8 A) and Input type(detachable plug) |
| DZ018EHL084200H | Same as basic model except for output rating(8.4 Vdc, 2.0 A) and Input type(detachable plug) |
| DZ018EHL085150H | Same as basic model except for output rating(8.5 Vdc, 1.5 A) and Input type(detachable plug) |
| DZ018EHL085200H | Same as basic model except for output rating(8.5 Vdc, 2.0 A) and Input type(detachable plug) |

제품특기사항 및 시험조건
Remarks & Test conditions

1. Test Report Ref. No. : 20-026047-01-2
2. Product Description
 - Measured power consumption: 22.30 W
 - Class of equipment: Class II
 - Protection against ingress of water: IPX0
 - Mass of equipment (kg): 0.088 kg
 - Input rating: 100 V – 240 V~, 50/60 Hz, 0.5 A(Output: 6 Vdc, 3.0 A)

□ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다.
시험 담당자 : BK 전략본부 정보조명평가센터 이 웅 / (02)860-1408
□ *If you have any question on product testing, please contact the person below :*
Job holder: BK Strategy Division, IT & Lighting Testing Center, W. LEE / +82 2 860-1408

FP511-05

□ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

Not applicable

FP511-06