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America

C E R T I F I C A T E

No. U8V 109510 0010 Rev. 00

Holder of Certificate: **TDK-Lambda UK Limited**
Kingsley Avenue
Ilfracombe, Devon, EX34 8ES
UNITED KINGDOM

Certification Mark:

Product: **Power supplies**
(DIN RAIL MOUNTABLE POWER SUPPLIES)

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL and a Standards Council of Canada accredited Certification body.

Test report no.: 081-200859-000

Date, 2020-09-23

(Watson Yang)

TÜV SÜD America Inc. • 10 Centennial Drive • Peabody • MA 01960 • USA

America

C E R T I F I C A T E

No. U8V 109510 0010 Rev. 00

Model(s): **DPP120-12-1, DPP120-12-1B, DPP120-24-1, DPP120-24-1B, DPP120-48-1, DPP120-48-1B**

Brand Name: **TDK-Lambda**

Brand: TDK·Lambda

Tested according to:
UL 62368-1:2014
CAN/CSA-C22.2 No. 62368-1:2014

Production Facility(ies): 004727, 004978

Parameters:

Rated inputs:	See below
Rated outputs:	See below
Protection class:	I
Max. ambient temperature:	50 °C

Remarks:
1. When installing, all requirements of below mentioned test standards must be fulfilled.
2. The equipment is evaluated for operating in altitude up to 5,000 m above the sea level.

The ratings & model description of the models are as below:

Model	Input ratings	Output Voltage (Vdc)	Output Wattage (W)
DPP120-12-1, DPP120-12-1B	115/230 Vac, 47-63 Hz, 2.8/1.4 A	12 Vdc	120 W
DPP120-24-1, DPP120-24-1B		24 Vdc	120 W
DPP120-48-1, DPP120-48-1B		48 Vdc	120 W

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CERTIFICATE

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License Conditions:

1. This power supply has been judged on the basis of the required spacing is the Standard for Safety of Audio/Video, information and communication technology equipment, including electrical business equipment UL 62368-1:2014 and CAN/CSA-C22.2 No. 62368-1:2014, which covers the end-use product for which this component was designed.
2. The power supply shall be installed in compliance with mounting, spacings, casualty and segregation requirements of the ultimate application.
3. The output connector is not acceptable for field connections and is only intended for connection to the mating connector of internal wiring inside the end – use machine. The acceptability of this and the mating connector relative to secureness, insulating materials, and temperature shall be considered.
4. The component has been evaluated of use in Class I machines. An additional evaluation should be made if the component is used in other than Class I units.
5. The unit was investigated to material Group III creepage, clearance and material properties requirements.
6. The unit was investigated as pollution degree 2 equipment.
7. The power supply shall be properly bonded to the main protective earthing termination in the end product.
8. The unit is considered acceptable for use in a 50 ^{o}C ambient. Consideration should be given to the need for reconducting a temperature test in the end-use equipment.
9. Consideration should be given to measuring the temperature on power electronic components, inductors and transformer windings when the power supply is installed in the end product. Transformers T1 employ Class B Insulation Systems.
10. Stability and Mechanical strength must be evaluated in the end product.
11. Language of safety markings/instructions (if user accessible in the end product) must be included in the end product documentation.
12. Evaluated for IT power systems.

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