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Product Service

C E R T I F I C A T E

No. B 075029 0028 Rev. 00

Holder of Certificate: **TDK-Lambda Singapore Pte., Ltd.**
1008
Toa Payoh North, #06-01/08 318996
SINGAPORE

Certification Mark:

Product: **Switching power supply unit (AC-DC Power Supply)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier.
All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 7191297999/01-TR

Valid until: 2027-11-28

Date, 2022-11-30

(Kim Hock Teo)

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Model(s): DRJ120-24-1wxyz, and DRJ120-24-1/Ewxyz
w = "-" or "/" or blank
x = CO or CO2 or blank
where CO is model with optional thin coating (QMJU2) on one side of PWB
where CO2 is model with optional thin coating (QMJU2) on both sides of PWB
Where blank is model without optional thin coating (QMJU2)
y = blank
z = blank

Brand Name: **TDK-Lambda**

Parameters:

Rated Input : 100-240 VAC, 1.5A, 50/60 Hz
Pollution Degree : 2
Degree of Protection (IP): X0
Max Temperature Tma : 55°C with 100% load; 70°C with 50% load

Rated output : 24-28 Vdc, 5-4.3A. Maximum power: 120W

Conditions of Acceptability:

When installed in end product, the clearance and creepage distance between the hazardous parts and accessible parts shall meet the standard(s) requirements. Hi-pot test, touch current test and ground bond test shall be conducted at end product.
- The end-product Electric Strength Test is to be based upon a maximum working voltage of: Primary SELV/Earthed Dead Metal: 250 Vrms, 418 Vpk.
- The following secondary output circuits are PS3 energy levels: Output.
- The following secondary output circuits are at non-hazardous energy levels: Output.
- The power supply terminals and/or connectors are: Suitable for factory wiring only.
- The maximum investigated branch circuit rating is: 20 A.
- The investigated Pollution Degree is: 2.
- Proper bonding to the end-product main protective earthing termination is: Required (via Chassis).
- The following magnetic devices (e.g. transformers or inductor) are provided with an OBJY2 insulationsystem with the indicated rating greater than Class A (105°C): T1, L3 (Class 155(F)).
- The following end-product enclosures are required: Fire, Electrical.
- Line to Line Capacitor (C3, C6) may have variation in capacitance up to 1.0 uF. Therefore,consideration shall be given in controlling the capacitance value in the end-product application with respect to capacitance discharge issue.
- Primary to Ground Capacitor (C1, C2) may have variations in capacitance up to 1000pF. Therefore, consideration shall be given in controlling the capacitance values in end product application with respect to touch current issue.
- Primary to Ground Capacitor (C4, C7, C8) may have variations in capacitance up to 2200pF. Therefore, consideration shall be given in controlling the capacitance values in end product application with respect to touch current issue.

- Humidity conditioning has been conducted by tropical condition.
- Classification of PIS has not been conducted. Therefore, all electrical components and conductors including printed wirings were assumed to be arcing/resistive PIS.
- This component has been evaluated in ‘control of fire spread’ method assuming appropriate fire enclosure is provided in end product. Unless the fire enclosure is made of non-combustible or V-0 material, the separation from the PIS shall be considered.
- Varistor was not tested overload per Annex G.8.2.2, end product shall consider the use of enclosure

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made by metal or keep a distance of minimum 13mm from Varistor when use of enclosure made of combustible material. Otherwise varistor shall additional perform overload test according to Annex G.8.2.2.

Tested according to: EN IEC 62368-1:2020/A11:2020

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