File E476231
Project 4786880597

October 20, 2015

REPORT

on

POWER CIRCUIT AND MOTOR-MOUNTED APPARATUS FOR USE IN HAZARDOUS LOCATIONS

Tdk-Lambda Uk Ltd
United Kingdom

Copyright © 2015 UL LLC

UL LLC authorizes the above named company to reproduce this Report only for purposes as described in the Conclusion, provided it is reproduced in its entirety.

DESCRIPTION

PRODUCT COVERED:

USL, CNL – Open Type Industrial Control Equipment for use in Class I, Division 2, Groups A, B, C, D Hazardous Locations.

Switch mode power supply model DRF120-24-1-xyz; DRF120-24-1/HL-xyz, where x, y and z can be any alphanumeric character or blank and is non safety relevant information. HL – designates model provided with coating.

GENERAL:

These devices are open type power supply modules intended to be used in combination with Industrial Control Equipment, providing a single 24 Vdc output. The devices are intended to be installed in an enclosure providing adequate protection for the end-use environment.

These products shall comply with ordinary locations File E362999, issued date 2014-07-18, Power Circuit and Motor-Mounted Apparatus, covering for this manufacturer and with the following description. Should the Procedure File E362999, issued date 2014-07-18 be withdrawn, labeling under this Procedure must be discontinued until authorization to resume is received.

TECHNICAL CONSIDERATIONS:

CNL - Indicates investigated to CSA C22.2 NO. 213-M1987 NON-INCENDIVE ELECTRICAL EQUIPMENT FOR USE IN CLASS I, DIVISION 2 HAZARDOUS LOCATIONS (1987 EDITION) - Edition 1 - Issue Date 1987/03/01

USL – Indicates investigated to ISA 12.12.01 NONINCENDIVE ELECTRICAL EQUIPMENT FOR USE IN CLASS I AND II, DIVISION 2, AND CLASS III, DIVISIONS 1 AND 2 HAZARDOUS (CLASSIFIED) LOCATIONS - Edition N/A - Issue Date 2013/06/03

RATINGS:

Table 1

Model	Input Ratings	Output Ratings	Temperature Code
DRF120-24-1-xyz; DRF120-24-1/HL-xyz	100-240 Vac; max 1.5 A, 50/60 Hz	24-28 Vdc, 5-4.3 A Max. output power: 120 W	T4

Ambient temperature range, $-25^{0}C \leq Ta \leq +60^{0}C$ at 100 % load; from $60^{0}C$ de-rate linearly $2.5\%/^{0}C$ to $+70^{0}C$