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File E198865
Project 01NK21571

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REPORT

on

INDUSTRIAL CONTROL EQUIPMENT-MISCELLANEOUS APPARATUS

Puls Elektronische Stromversorgungen GmbH
Munich, Germany

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DESCRIPTION

PRODUCT COVERED:

*USL/CNL - Switch Mode Power Supply, Models SL20.T1X, DN2134 and OPS320.1.

ELECTRICAL RATING: (Optional)

Model	Input, ac			Input, dc		Output, dc	
	V	A	Hz	V	A	V	A
SL20.T1X, DN2134 OPS320.1,	400-500	1.7-1.5	50/60	510	1.5	24.5-28	20-17.5

T stands for 3 or 6

X stands for any character or number.

NOMENCLATURE:

The Models DN2134 and OPS320.1 are identical to model SL20.T1X.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE'S USE):

Use - For use only in (or with) complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Special Considerations - The following items are considerations that were used when evaluating this product.

USL: Indicates investigation to the U.S. Standard UL508, 17th Edition.

CNL: Indicates investigation to Canadian National Standard(s) C22.2 No. 14-95.

Note: CNL = Canadian National Standards - Listed.

USL = United States Standards - Listed.

All models have been evaluated to UL 840, 2nd edition, table 5.1, 6.1 and 6.2 for spacings.

The component was submitted and tested for a maximum manufacturer's recommended ambient (T_{mra}) of +60°C and acceptability for use in a pollution degree 2 environment.

The equipment is: for building in, Class I (earthed), permanently connected (field wired), intended for use on TN power systems.

Disconnect Device - Has to be provided by installation.

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CONSTRUCTION DETAILS:

The device shall be constructed according to these details and the following description.

Tolerances - Unless specified otherwise, all indicated dimensions are nominal.

Corrosion Protection - All parts are of corrosion resistant material or are plated or painted as a protection against corrosion.

Markings - Markings are permanently applied (secured) to the devices and include Listee's name or File no. E198865 and the electrical ratings including Input and Output -Voltage, -Current or -Wattage, -Frequency.

Date of Manufacture Marking - The unit shall have a marking which indicates the month and year of manufacture. Coding or serial number are acceptable.

Additional information may be marked either on the device or on a stuffer sheet. Referenced on the device and provided in each smallest shipping container. Field wiring terminals shall be marked with wire range (AWG or mm²), conductor material (Al or Cu), insulation temperature rating (60 or 75 C) and tightening torque.

Adhesive - Used for securement of various components. Rated min. V-2, min. 105°C.

Printed Wiring Board - (ZPMV2), rated min. V-0, 130°C. PWB has to suitable for direct support of current carrying parts.

Model Differences - T and X stands for non safety related customer specific versions, which only affect the appearance of the product.

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Model SL20.310

FIG. 1 (Y01-00208)

General - Overall external view of unit.

1. Enclosure - Sides and back Aluminum, min. 1.5 mm thick; front, top and bottom plated steel, min. 0.75 mm thick; overall 150 by 124 by 122 mm. Provided with 3.5 mm square vent holes on top and bottom.