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REPORT

ON

COMPONENT - POWER SUPPLIES, INFORMATION TECHNOLOGY
EQUIPMENT, INCLUDING ELECTRICAL BUSINESS EQUIPMENT

Puls Elektronische Stromversorgungen GmbH
Munich, Federal Republic of Germany

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DESCRIPTION

PRODUCT COVERED:

USL, CNL - Switching Power Supply, Models SL4.yxx, SL5.yxx, SL5.zxx, SLR5.xxx, and SLA5.xxx.

ELECTRICAL RATING:

Model	Input			Output, (dc)	
	V	A	Hz	V	A
SL4.yxx	100-120/200-240	2.6/1.4	50/60	24-28	4
SL5.yxx	100-120/200-240	2.6/1.4	50/60	24-28	5
SL5.zxx	400-500	0.6/0.5	50/60	24-28	5
SLR5.xxx (1-phase)	100-120/200-240	2.6/1.4	50/60	24-28	5
SLR5.xxx (1-phase)	100-120/200-240	2.6/1.4	50/60	24-30.3	5
* SLA5.xxx or AC1213 (1-phase)	100-120/200-240	2.6/1.4	50/60	24-30.3	5

x - Stands for customer-specific versions.

y - Stands for 1, 2, 4, 5 and single-phase versions.

z - Stands for 3, 6, 7, 8 and three-phase versions.

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

Use - For use only in 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.

USR/CNR indicates investigation to the U.S. and Canadian (Bi-National) Standard for Safety of Information Technology Equipment, CAN/CSA-C22.2 No. 950-95 UL 1950, Third Edition dated July 28, 1995. including revisions through revision date June 22, 1998, which are based on the Fourth Amendment to IEC 950, Second Edition.

The component/equipment was submitted by the manufacturer for use in a maximum air ambient of 60°C.

The equipment is: for building in, Class I (earthed), intended for use on TN and IT power systems.

Conditions of Acceptability - When installed in the end product, consideration shall be given to the following:

1. This component has been judged on the basis of the required spacings in the Standard for Information Technology Equipment, Including Electrical Business Equipment, CSA C22.2 No. 950 * UL 1950 Third Edition.
2. The product was tested on a 16 A branch circuit. If used on a branch circuit greater than this, additional testing may be necessary.
3. The secondary output circuits are SELV and are not hazardous *energy levels. The outputs for SL4 and SLA5 are SELV, non-hazard energy level and fulfill the requirements of limited power source according the NEC and UL1950 Clause 2.11 or UL3101 Annex F.
4. The terminals are suitable for field wiring.
5. The power supply shall be properly bonded to the main protective earthing termination in the end product.
6. Magnetic device (e.g. transformer, inductor) T1 employs an R/C (OBJY2) electrical insulation system Class F.
7. The maximum working voltage present is 565 V peak, 320 V rms for the single phase versions and 780 V peak , 523 V RMS for the three phase versions. The electric strength tests in the end product shall be based on this value.
8. The equipment has been evaluated for use in a Pollution Degree 2 environment.
9. A suitable Fire enclosure shall be provided.
10. The following components should be given special consideration during end-use Heating tests because of temperatures achieved during component level testing:

<u>Component</u>	<u>Model</u>	<u>Maximum Temperature Achieved</u>
R101		
R102	SL5.100	130 °C
R103		
R104		
R105		
R106		
11. Bottom openings do not meet fire enclosure requirements.