

DESCRIPTION

PRODUCT COVERED:

USR, CNR; Component - Switching Power Supply, Model NLP40 Series. Model number may be followed by suffixes. These suffixes denote minor changes that do not affect safety.

ELECTRICAL RATINGS: For all models:

Input Voltage: 100/240 V ac
Frequency: 50/60 Hz
Current: 1.4 - 0.7 A

Model	V	Output, (dc)	
		A	A(Fan)
NLP40-7605	+5	8	9.0
NLP40-7605N01	+5.4	7.4	8.3
NLP40-76S3	+3.3	8	9.0
NLP40-7608	+5	4	4.5
	+12	2	3.0
	-12	0.2	0.5
NLP40-76T366	+3.3	4	4.5
	+12	2	3.0
	-12	0.2	0.5
NLP40-7610	+5	4	4.5
	+15	1.6	2.0
	-15	0.2	0.5
NLP40-7612	+12	3.3	4.0
NLP40-7615	+15	2.6	3.3
NLP40-7617	+48	0.8	1.0
NLP40-7629	+5	4.0	4.5
	+12	2.0	3.0
NLP40-7624	+24	1.6	2.0
NLP40-7627	+12	1.8	2.1
	-12	1.8	2.1
NLP40-7661	+5	8	
NLP40-7660	+5	4	
	+8	0.3	
	-8	0.05	

Maximum 40 W continuous output.

Maximum 50 W continuous output with 20 cfm forced-air cooling applied across the length of the supply.

* **TECHNICAL** CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

* USR/CNR indicates investigation to the U.S. and Canadian (Bi-National) Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, CAN/CSA-C22.2, No. 60950-1-07 * UL 60950-1, **Second** Edition.

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

The component was submitted by the manufacturer for use in a maximum air ambient of 50°C.

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

The equipment is considered: Class I (earthed), intended for use on a TN power system.

The outputs of the power supplies are considered to be SELV.

Conditions of Acceptability - When installed in the end-use equipment, 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, CAN/CSA-C22.2 No. 60950-1-07 * UL 60950-1, **Second** Edition, Sub-Clause 2.10.
2. An acceptable fire and electrical enclosure shall be provided in the end use.
3. Their terminals and connectors are suitable for factory wiring only.

4. This power supply was evaluated for connection to a TN power system.
5. This power supply is considered a Class I product. The power supply shall be properly bonded to the main earthing termination in the end use.
6. The secondary outputs of this power supply are to be considered SELV and are not hazardous energy levels.
- 7.* This power supply has been evaluated for use in a 50°C ambient in accordance with the manufacturer's specifications.
8. For Model NLP40-7661, in a 2.0 A or 3.15 A input fuse shall be provided in the end-product. This unit has been evaluated with the following R/C (JDYX2), fuses:

Cooper, Type GD-/GDA-V-S501, rated 3.15 A, 250 V; Littelfuse, Type 216, rated 3.15 A, 250 V; Walter, Type SGP, rated 2.0 A, 250 V.
9. These models were evaluated as Class I products. However, they may be used in a Class II application under the following conditions:
 - A. The trace around the mounting hole near C5, shall be provided with supplementary insulation from accessible dead metal.
 - B. Mounting means on the primary side of the PWB shall be evaluated to provide reinforced insulation from primary component bodies and leads, except as noted in Item A.