

DESCRIPTION

PRODUCT COVERED:

USR/CNR - DC to DC Converter, Models EC1SCXX, EC1SC01-5.1V, EC1SC06-5.1V, EC1SC11-5.1V and EC1SC16-5.1V, EC1SC14-W, **EC1SC06-03**, where the 'XX' can be 01 thru 07, 11 thru 17.

ELECTRICAL RATING:

Model	DC Input		DC Output	
	V	A	V	A
EC1SC01	24	1.029	+5	4
EC1SC02	24	1.006	+12	1.67
EC1SC03	24	1.009	+15	1.34
EC1SC04	24	1.004	+12	0.833
			-12	0.833
EC1SC05	24	1.004	+15	0.666
			-15	0.666
EC1SC06	24	1.004	+5	2
			-5	2
EC1SC07	24	0.705	+3.3	4
EC1SC11	48	0.508	+5	4
EC1SC12	48	0.497	12	1.67
EC1SC13	48	0.499	15	1.34
EC1SC14,	48	0.496	+12	0.833
EC1SC14-W			-12	0.833
EC1SC15	48	0.496	+15	0.666
			-15	0.666
EC1SC16	48	0.496	+5	2
			-5	2
EC1SC17	48	0.353	+3.3	4
EC1SC01-5.1	24	1.029	+5.1	3.92
EC1SC06-5.1	24	1.004	+5.1	1.96
			-5.1	1.96
EC1SC11-5.1	48	0.508	+5.1	3.92
EC1SC16-5.1	48	0.496	+5.1	1.96
			-5.1	1.96
EC1SC06-03	24	1.004	+6	1.67
			-6	1.67

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*USR/CNR indicates investigation to the **U.S. and Canadian (Bi-National) Standard for Safety of Information Technology Equipment-Safety-Part1: General Requirements, CAN/CSA-C22.2 No. 60950-1-07, and UL 60950-1, Second Edition, revision date December 19, 2011.**

The component was submitted and tested for a maximum manufacturer's recommended ambient (Tmra) of 71°C.

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

- *1. **The Heating Test and Capacitance Discharge Test shall be evaluated in the end product.**
2. The product was tested with a 10 A time delay fuse protection circuit. If used on a power source greater than this, additional testing may be necessary.
3. All secondary output circuits are SELV and are not hazardous energy levels.
4. The equipment has been evaluated for use in a Pollution Degree 2 environment.
5. A suitable **Mechanical**, Electrical and Fire enclosure shall be provided.
6. The unit shall be connected to secondary circuit which is separated by at least Reinforced insulation from any primary circuit.
7. All secondary output circuits are SELV only if circuits meets the limits of sub clause 2.3.3 in the event of a single failure of any component or insulation of the secondary circuit to which it is connected.
8. The products were tested with 18 CFM forced air cooling applied to heatsink. If used on an end-application other than this, additional testing may be necessary.
9. The Transformer is provided with Operational Insulation only.
10. The terminals and connectors are suitable for factory wiring only.
11. **The component is considered as having functional insulation between the input and output and shall be only connected to an isolated secondary circuit which is separated from primary circuit, by Reinforced or Double insulation.**