DESCRIPTION

PRODUCT COVERED:

USR/CNR - DC-DC Converter, EC4BEXX, where XX can be 01-06, 11-16 or 21-26, EC4BE21-14, EC4BE01-5.1V, EC4BE11-5.1V, EC4BE21-5.1V, EC4BE06-5.1V, EC4BE16-5.1V and EC4BE26-5.1V.

ELECTRICAL RATING:

	DC Input		DC Output	
Model	V	mA	V	mA
EC4BE01	9-18 or 12	1500 or 1100	5	2000
EC4BE02	9-18 or 12	1500 or 1065	12	830
EC4BE03	9-18 or 12	1500 or 1065	15	666
EC4BE04	9-18 or 12	1500 or 1065	± 12	± 415
EC4BE05	9-18 or 12	1500 or 1065	± 15	± 333
EC4BE06	9-18 or 12	1500 or 1065	± 5	± 1000
EC4BE11	18-36 or 24	1000 or 535	5	2000
EC4BE12	18-36 or 24	1000 or 520	12	830
EC4BE13	18-36 or 24	1000 or 520	15	666
EC4BE14	18-36 or 24	1000 or 520	± 12	± 415
EC4BE15	18-36 or 24	1000 or 520	± 15	± 333
EC4BE16	18-36 or 24	1000 or 520	± 5	± 1000
EC4BE21	36-72 or 48	350 or 260	5	2000
EC4BE22	36-72 or 48	354 or 254	12	830
EC4BE23	36-72 or 48	354 or 254	15	666
EC4BE24	36-72 or 48	354 or 254	± 12	± 415
EC4BE25	36-72 or 48	354 or 254	± 15	± 333
EC4BE26	36-72 or 48	354 or 254	± 5	± 1000
EC4BE21-14	36-72 or 48	354 or 260	7	1430
EC4BE01-5.1V	9-18 or 12	1500 or 1100	5.1	1960
EC4BE11-5.1V	18-36 or 24	1000 or 535	5.1	1960
EC4BE21-5.1V	36-72 or 48	350 or 260	5.1	1960
EC4BE06-5.1V	9-18 or 12	1500 or 1065	± 5.1	980
EC4BE16-5.1V	18-36 or 24	1000 or 520	± 5.1	980
EC4BE26-5.1V	36-72 or 48	354 or 254	± 5.1	980

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. 60950-1-03 * UL60950-1, First Edition, including revisions through revision dated November 26, 2003.**

The component was submitted and tested for a maximum manufacturer’s recommended ambient (Tmra) of 40°C, except ambient of 71°C for Model EC4BE21-14.

The component is for building in, Class III (supplied by SELV).

The Transformer in the converter is provided with operational insulation only. Further, for the case of an input voltage of 60<V<72 DC, the output may meet requirements for SELV only under the following conditions: The input power supply to the converter must meet the creepage and clearance, electric strength and insulation requirements for reinforced insulation based on working voltage that considers both the input and output voltage of the main supply. Abnormal and SELV Reliability Tests must be performed on the input power supply in combination with the converter to demonstrate SELV Reliability of the converter output. SELV Reliability Tests were performed on the unit to show that output voltage remain with SELV limits, even with internally generated non-SELV voltage or with a 72 V dc input. However, since the 72 V dc source is not a SELV circuit per sec., it must be tested with the converter to demonstrate the output of the converter meets SELV requirements even under a single fault in the 72 V dc source.