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REPORT

on

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

ERICSSON POWER MODULES AB
STOCKHOLM, SWEDEN

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DESCRIPTION

PRODUCT COVERED:

USR/CNR Component - DC to DC Power Converters, Models PKVY PI and PKV3211 PIS; Y = 3211, 3110, 3313, 3315, 3222, 3321, 3225, 5211 5110, 5313, 5315, 5222, 5321, 5325.

ELECTRICAL RATING

Model	Input (dc) Voltage/Current	Output (dc) V/A	Output (dc) Watt(W)
PKV3211 PI	9-36/0.39	5.0/0.5	2.5
PKV3110 PI	9-36/0.29	3.3/0.5	1.7
PKV3313 PI	9-36/0.48	12.0/0.25	3.0
PKV3315 PI	9-36/0.48	15.0/0.2	3.0
PKV3222 PI	9-36/0.39	+- 5.0/0.25	2.5
PKV3321 PI	9-36/0.48	+-12.0/0.125	3.0
PKV3325 PI	9-36/0.48	+-15.0/0.1	3.0
PKV5211 PI	18-72/0.22	5.0/0.5	2.5
PKV5110 PI	18-72/0.16	3.3/0.5	1.7
PKV5313 PI	18-72/0.26	12.0/0.25	3.0
PKV5315 PI	18-72/0.26	15.0/0.2	3.0
PKV5222 PI	18-72/0.22	+-5.0/0.25	2.5
PKV5321 PI	18-72/0.26	+-12.0/0.125	3.0
PKV5325 PI	18-72/0.26	+-15.0/0.1	3.0
PKV3211 PIS	9-35/0.45	5.0/0.5	2.5

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.

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

For use in a maximum air ambient of 85°C.

The equipment is for building in, DC to DC converter power supplies, and are printed wiring board mounted with enclosure. They are provided with terminal pins for connection to their nominal rated dc source of supply, and output connections.

The input (for unit >60 V dc) were evaluated on TNV2 for insulation purposes.

The transformer in the converters is relied on for providing basic insulation between input and output. The equipment was evaluated to the requirements in the Standard UL 60950-1 and CSA C22.2 No. 60950-1, Sub-clauses 2.10.7, 2.10.8, Enclosed or Hermetically Sealed Unit Test. All components are mounted on printed wiring board and encapsulated in epoxy.

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

1. These components have been judged on the basis of the required spacings in the Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, **CSA C22.2 No. 60950-1, UL 60950-1, First Edition, which would cover the component itself if submitted for Listing.**

2. **The equipment provides basic insulation between input and output.**

   - **the output is SELV if the input is SELV.**

   - **the output is SELV if the input is >60 V and has reinforced insulation to the AC mains.**

   - **the output is SELV if the input is ELV.**

   - **the output is SELV if the output is earthed and the input is >60 V and has basic insulation to the AC mains.**

   - **the output is SELV if the output has basic insulation to earth and the input is >60 V and unearthed and has basic insulation to the AC mains (demonstrated by fault condition testing).**

3. The secondary output circuits do not exceed 240 VA at a potential of 2 V or more.

4. The terminals and connectors have not been evaluated for field wiring.

5. The equipment has been evaluated for use in a Pollution Degree 1 and 2 environment, since the power converter is potted.

6. The maximum working voltage present is 144 V pk. The electric strength tests in the end product shall be based on this value.

7. Magnetic devices (e.g. transformer, inductor) employ a Class B (130) insulation system.

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