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UL 962B

Outline of Investigation for Merchandise Display and Rack Mounted Power Distribution Units

Issue Number: 1

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Summary of Topics

This First issue of the Outline of Investigation for Merchandise Display and Rack Mounted Power Distribution Units, UL 962B, covers cord and plug connected Power Distribution Units that are intended for use with merchandise displays, rack and gondola shelving systems to provide power to electrical utilization equipment.

The effective date for UL LLC will be announced through Industry File Review – Announcement Letter.

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APPENDIX A

Standards for Components..... A1

INTRODUCTION

1 Scope

1.1 These requirements cover cord and plug connected, indoor use, dry location Merchandise Display and Rack Mounted Power Distribution Units (MDRMPDU). They are intended for use on merchandise displays, racks and gondola shelving systems in retail stores to provide power for computers, audio and video equipment and other electrical utilization equipment that is displayed on the merchandise display, rack or gondola shelving unit. A MDRMPDU is not intended for use in general applications. These units are rated 250 Vac or less, 20 Amp or less, single phase for use on single circuits only.

1.2 MDRMPDUs may be extendable.

1.3 Merchandise Display Rack Mounted Power Distribution Units are not for use:

- a) At construction sites and similar locations;
- b) As a substitute for fixed wiring of a building or structure;
- c) For routing through walls, windows, ceilings, floors or similar openings of buildings or structures;
- d) For attachment to buildings or structures;
- e) When concealed by walls, floors, or ceilings; and
- f) Where subjected to physical damage.

2 Components

2.1 Except as indicated in 2.2, a component of a product covered by this Outline shall comply with the requirements for that component. See Appendix A for a list of standards covering components used in the products covered by this Outline.

2.2 A component is not required to comply with a specific requirement that:

- a) Involves a feature or characteristic not required in the application of the component in the product covered by this Outline; or
- b) Is superseded by a requirement in this Outline.

2.3 A component shall be used in accordance with its rating established for the intended conditions of use.

2.4 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.

3 Units of Measurement

3.1 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.

3.2 Unless otherwise indicated, all voltage and current values mentioned in this Outline are root-mean-square (rms).

4 Undated References

4.1 Any undated reference to a code or standard appearing in the requirements of this outline shall be interpreted as referring to the latest edition of that code or standard.

5 Application and Use

5.1 A MDRMPDU is intended to be connected to a permanently installed branch circuit receptacle outlet or to another MDRMPDU of the same type or model and manufacturer.

5.2 A MDRMPDU is not intended to be permanently mounted to the building structure.

5.3 A MDRMPDU is not to be connected to an extension cord.

6 Glossary

6.1 For the purpose of this outline, the following definitions apply. Where not defined by this Outline, the following terms as well as the glossary terms found in the Standard for Relocatable Power Taps, UL 1363, apply to this outline.

6.2 ATTACHMENT PLUG – The male contact device of a power supply cord or interconnect cord.

6.3 CORD CONNECTOR – A female contact device wired onto flexible cord.

6.4 CORD WHIP – A length of flexible cord assembled with either a line fitting or a load fitting on one end and no fitting on the other end.

6.5 DETACHABLE POWER SUPPLY CORD – A length of flexible cord with an attachment plug as a line fitting and with a single cord connector as a load fitting.

6.6 EXTENDABLE MDRMPDU – A MDRMPDU that can be connected to the same manufacturer's and type or model MDRMPDU in an interconnected configuration.

6.7 GONDOLA – Typically an "L" shaped store fixture with the short leg being a fixed flat bottom shelf and the long leg being a vertical support for the attachment of additional merchandise shelves.

6.8 INTERCONNECTING CORD ASSEMBLY – A length of flexible cord with a load fitting on the end and an attachment plug on the other end.