

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20150508-E98049  
**Report Reference** E98049-20070403  
**Issue Date** 2015-MAY-08

**Issued to:** BENDER & WIRTH GMBH & CO  
VOLMESTRASSE 161  
58566 KIERSPE GERMANY

**This is to certify that  
representative samples of** COMPONENT - LAMPHOLDERS, MISCELLANEOUS  
USR-CNR: Component, Miscellaneous Lampholder. Cat.  
Nos.: 945

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 496 Lampholders  
CSA-C22.2 No. 43 Lampholders

**Additional Information:** See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's  
Certification and Follow-Up Service.

Recognized components are incomplete in certain constructional features or restricted in performance  
capabilities and are intended for use as components of complete equipment submitted for investigation rather  
than for direct separate installation in the field. The final acceptance of the component is dependent upon its  
installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program  
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please  
contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



## DESCRIPTION

## PRODUCT COVERED:

USR-CNR: Component, Miscellaneous Lampholder. Cat. Nos.: 945.

## GENERAL CHARACTER AND USE:

Model 945 covered by this report is intended for use with Type PGZ12 discharge lamp, line voltage.

For use only in products where the acceptability of the combination of component and end-use product is determined by Underwriters Laboratories Inc.

## ELETRICAL RATINGS:

MODEL	LAMP BASE	RATED VOLTAGE	PULSE RATED VOLTAGE	RATED CURRENT
945	PGZ12	500 V	4 kV	10 A

## ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

USR - indicates investigation to Underwriters Laboratories Standard UL 496, 12<sup>th</sup> ed.

CNR - Indicates investigation to Canadian Standard CAN/CSA-C22.2 No.43, 5<sup>th</sup> ed.

## Conditions of Acceptability:

The following Conditions of Acceptability shall be determined to comply in the end-use application.

1. The suitability of the mounting means.
2. The model 945 is provided with 18 AWG leads. The leads were subjected a 5 lbf Security Test of Lampholder Lead.
3. The devices have to be used within their electrical ratings.
4. Spacing of live part shall meet the spacing requirements of the equipment in which this device used.
5. All live parts shall be suitably enclosed in the end use application.
6. Polarity shall be verified in the end application.
7. Dielectric Voltage Withstand Test was performed at voltage of 4 kV.
8. These lampholders are for dry locations only.

## CONSTRUCTION DETAILS:

The general design, shape, and arrangement shall be as described in the following pages except where variations are specifically described.

Spacings - Minimum spacings of 6.4 mm are provided through air and over surface between uninsulated live parts of opposite polarity and between uninsulated live parts and dead-metal parts, including the intended mounting surface at wiring terminals and 3.2 mm at points other than wiring terminals.

Corrosion Protection - Alls ferrous metal parts are protected from corrosion by painting, plating, or the equivalent.

Markings - Recognized Company's name or Trademark, and Cat. No. on device, electrical ratings on device or smallest shipping carton.