

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20120313-E211978  
**Report Reference** E211978, 2012 MARCH 07  
**Issue Date** 2012-MARCH-13  
**Issued to:** ELECTRONICON KONDENSATOREN GMBH  
KEPLERSTRASSE 2  
07549 GERA GERMANY



**This is to certify that representative samples of** CAPACITORS  
MKP-1 and MKPg-1/MKPC-1

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

**Standard(s) for Safety:** UL 810, 5th Edition  
CSA C22.2 No. 190, 1st Edition

**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 Recognized Component Marks for the U.S. and Canada should be considered as being covered by UL's Recognition and Follow-Up Service and meeting the appropriate U.S. and Canadian requirements.

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The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Recognized Component Mark on the product.

William R. Carney, Director, North American Certification Programs  
UL LLC

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## DESCRIPTION

## PRODUCT COVERED:

USR/CNR Component - Capacitor, expansion type internally protected, Model Series MKP-1 and MKPg-1/MKPC-1 capacitor Series.

## ELECTRICAL RATINGS:

Capacitor Model No.	Capacitor Cover Type	Capacitor Type: Dry - D; Oil Fill - OF; Gas Fill - G	Input		Maximum AFC Rating, A	Can Style	Dimensions of Can, mm
			Maximum Voltage, V ac*	Frequency, Hz			
MKPg-1 / MKPC-1	C2/C6/K/L /M/S	G	1,000	50/60	10k	Round	Smallest: 60 x 80 Largest: 136 x 280
MKP-1	C2/C6/K/L /M/S	OF	1,200	50/60	10k	Round	Smallest: 60 x 80 Largest: 136 x 280
MKP-1	D1/D2/G1	OF	1,000	50/60	10k	Round	Smallest: 35 x 58 Largest: 75 x 160

\* - cUR capacitors limited to a maximum of 660 Vac.

Note: MKPg-1 and MKPC-1 are both nitrogen gas filled capacitors. The "g" and "c" are used for marketing purposes only. In addition, any other numbers or letters in addition to the MKPg/c-1 or MKP-1 base series is for marketing purposes only.

## ABBREVIATIONS:

USR - Investigated to the requirements in Standard for Capacitors, Part I of UL 810, 5<sup>th</sup> Edition.

CNR - Investigated to the requirements in the Standard for Capacitors for Power Factor Correction, CSA C22.2 No. 190, 1<sup>st</sup> Edition.

## GENERAL:

The capacitors covered by this Report are single phase, oil or gas filled metallized film type intended for use in power factor correction equipment (including filter applications), motor circuits, industrial control equipment, refrigeration equipment, and similar applications. They are provided with an internal protective device to prevent case rupture under capacitor fault conditions up to 10,000 A. See Ratings and Sizes table for complete voltage ratings. Capacitor series MKPg-1 and MKPC-1 are rated up to 70°C and capacitor series MKP-1 is rated up to 85°C.

For all models, the internal protector is a pressure sensitive interrupter and weakened notch connection.