

**UL International Demko A/S**

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 USA



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**CODE 1: Work may proceed.**



Permission to proceed does not constitute acceptance or approval of design details, calculations, analyses, test methods or materials developed or selected by the supplier and does not relieve the supplier from full compliance with contractual obligations.

Name: jared\_wharton

Date: 11/16/2020

<b>Contact Person</b> Francis Mah	<b>Examiner</b> Ulla Jakobsen	<b>Our reference</b> 136408-01	<b>Direct phone</b> +45 4485 6327	<b>Date</b> 2003.12.17
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Dear Sirs,

**Your order executed by UL International Demko A/S**

UL International Demko A/S has the pleasure of enclosing Type Examination Certificate No. DEMKO 03 ATEX 135584.

Enclosed please find invoice for the costs involved.

Your attention is also drawn to UL International Demko A/S Standard Terms and Conditions. Should you have any questions regarding the above, please contact UL International Demko A/S.

UL International Demko A/S is at your disposal should you require additional information about our services, such as information on the LVD, EMC, Machinery Directives, ISO Certification, export certification or seminars tailored to meet the needs of your company.

We would like to take the opportunity to thank you for the co-operation and hope you will make use of our services in the future.

Yours sincerely,

Ulla Jakobsen  
 Customer Service Professional II  
 International Certification



[1] **TYPE EXAMINATION CERTIFICATE**



[2] **Equipment or Protective System intended for use  
in Potentially Explosive Atmospheres  
Directive 94/9/EC**

[3] Type Examination Certificate Number: DEMKO 03 ATEX 135584

[4] Equipment: Polarization Cell Replacement Units: Model PCR Series

[5] Manufacturer: Dairyland Electrical Industries Inc.

[6] Address: Suite A 3185 Deer Point Dr. P.O. Box 187 Stoughton, Wisconsin 53589 USA

[7] This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8] UL International Demko A/S certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of **Category 3** equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to the European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential Report number 03NK24622

[9] Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to Standards: **EN 50021: April 1999**

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.


[11] This Type examination certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.

[12] The marking of the equipment or protective system shall include the following:

**II 3 G EEx nA II T5**

On behalf of UL International Demko A/S

Herlev, 2003-12-17

  
Karina Christiansen  
Certification Manager

**UL International Demko A/S**

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Certificate: 03 ATEX 135584

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P1

[13]

## Schedule

[14]

### TYPE EXAMINATION CERTIFICATE No. DEMKO 03 ATEX 135584

[15]

#### Description of Equipment:

These devices are intended to be used to provide AC grounding and DC blocking for cathodic protection of underground pipelines and similar installation in potentially explosive atmospheres.

#### Polarization Cell Replacement Units (PCR):

Models PCR followed by -3.7kA, -10kA, -15kA, may be followed by /80A, may be followed by - S, may be followed by -CS2.

Models PCR followed by -3.5kA, -9kA, -14kA, may be followed by /70A, may be followed by - S, may be followed by -CS2.

Models PCR followed by -2.6kA, -6.8kA or 10.5kA, may be followed by /44A, may be followed by -S, may be followed by -CS2.

Electrical Ratings: All model devices may have a lightning surge current rating of 100 kA maximum.

Ambient Temperature: "-45 deg. C to 65 deg. C"

#### Installation instructions

For ambient temperatures below -10 °C and above +60 °C use field wiring suitable for both minimum and maximum ambient temperature.

#### Routine tests

Routine tests according to EN 50021 are not required.

[16]

#### Descriptive Documents

Report No.: 03NK24622

Photo: PCR Complete Assembly

Drawings:

Designation	Date
PCR Outline #1	December 1, 2003
PCR Outline #2	December 1, 2003
PCR Outline #3	December 1, 2003

#### UL International Demko A/S

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2/3

# Schedule

## TYPE EXAMINATION CERTIFICATE No. DEMKO 03 ATEX 135584

[17] Special Conditions for Safe Use

None

[18] Essential Health and Safety Requirements

Concerning EHSR that are not addressed by the standards listed in this certificate have been identified and individually assessed in Report No. 03NK324622.

[19] Conditions of Certification

None

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

On behalf of UL International Demko A/S

Herlev, 2003-12-17

  
Karina Christiansen  
Certification Manager

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