

# EU-TYPE EXAMINATION CERTIFICATE



## Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

[3] EU-Type Examination Certificate Number: **DEMKO 14 ATEX 1211937X Rev. 4**

[4] Product: **Over-Voltage Protector (OVP)**

[5] Manufacturer: **Dairyland Electrical Industries Inc.**

[6] Address: **340 Business Park Circle, PO Box 187, Stoughton, WI 53589 USA**

[7] This product 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, notified body number 0539 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. **US/UL/ExTR14.0045/04.**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018**

**EN 60079-1: 2014**

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

[11] This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by the certificate.

[12] The marking of the product shall include the following:

**II 2 G Ex db IIB+H2 T5 Gb**

**Certification Manager**  
Jan-Erik Storgaard

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

**Date of issue:** 2014-09-29

**Re-issued:** 2021-03-08

**Notified Body** UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark  
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[14]

**Schedule**  
**EU-TYPE EXAMINATION CERTIFICATE No.**  
**DEMKO 14 ATEX 1211937X Rev. 4**

[15] Description of Equipment or protective system  
 The Over-Voltage Protector (OVP) is a solid-state device designed for use in conjunction with cathodically protected systems to provide over-voltage protection of insulated joints from lightning and AC faults and to provide AC grounding and simultaneous DC isolation of cathodically protected electrical equipment. It consists of an enclosure with a threaded cover and a feed thru assembly, both of which form threaded joints. The feed thru assembly consists of a feed thru stud and feed thru insulating sleeve that are press fit into the feed thru shell engaging the enclosure to form a cylindrical joint. This feed thru provides the connection between the internal assembly and the external device.

Nomenclature:

$\frac{\text{OVP}}{\text{I}}$  -  $\frac{2/2}{\text{II}}$  -  $\frac{3.7}{\text{III}}$  -  $\frac{100}{\text{IV}}$

I – OVP – Basic Catalog Number

II – Blocking Threshold

2/1	-	-2/+1V rating
2/2	-	-2/+2 V rating
3/1	-	-3/+1 V rating
3/3	-	-3/+3V rating
4/1	-	-4/+1 V rating
4/2	-	-4/+2V rating
4/4	-	-4/+4 V rating

III - AC Fault Current

3.7	-	3.7kA rating
5.0	-	5.0kA rating

IV – Impulse Current

100	-	100kA rating, 8x20µs waveform
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Temperature range

The ambient temperature range is -45°C to +85 °C.

Electrical data

Blocking Threshold: -2/+1V, -2/+2 V, -3/+1V, -3/+3V, -4/+1 V, -4/+2V, -4/+4 V

AC Fault Current: 3.7 kA, 5.0 kA

Impulse Current: 100 kA, 8x20µs waveform

Routine tests

Routine tests according to EN 60079-1 cl. 16 are not required, as the enclosures have been successfully tested at four times the reference pressure.

[16]

Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [ 8 ] on page 1 of this EU-Type Examination Certificate.

[17]

Specific conditions of use:

Contact Dairyland Electrical Industries for information on the dimensions of the flameproof joints.

[18]

Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information



The trademark **DAIRYLAND** will be used as the company identifier on the marking label.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.

