

EU-TYPE EXAMINATION CERTIFICATE



[1]

[2]

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

[3]

EU-Type Examination Certificate Number: : **DEMKO 12 ATEX 1204081X Rev. 4**

[4]

Product: **Pulsalarm Pressure Leak Detection Switch**

[5]

Manufacturer: **Pulsafeeder Inc.**

[6]

Address: **2883 Brighton Henrietta Town Line Road, Rochester, NY 14623, 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. **4789089168.2.1**

[9]

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

EN 60079-0:2012 + A11:2013

EN 60079-1: 2014

EN 60079-31:2014

[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 T5 Gb



II 2 D Ex tb IIIC T100°C Db IP66

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: 2013-02-12

Re-issued: 2019-12-16



Notified Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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Schedule

EU-TYPE EXAMINATION CERTIFICATE No.

DEMKO 12 ATEX 1204081X Rev. 4

[13]

[14]

[15]

Description of Product

The Pulsalarm pressure leak detection switch is a flameproof pressure switch intended to be used with process lines that exhibit ambient temperatures identical to the equipment ambient temperature range. The switch is normally under zero (atmospheric) pressure, and when a leak is detected in the form of a pressure increase in excess of 7 psig (0.48 bar), a diaphragm operates the switch. It is intended to be used with a mechanically actuated pump.

Electrical Ratings as Follows: 115 VAC, 1A

Maximum connection Pressure: 206.8 bar

Temperature range

The ambient temperature range is -20 °C to +40 °C.

Product is marked with a 'T5' temperature code for gas and T100°C maximum surface temperature for dust.

Installation instructions

The certification applies to equipment without cable glands. When mounting the flameproof enclosure in the hazardous area, only Ex db IIB flameproof cable glands or stopping boxes certified to EN 60079-1:2014 must be used.

The enclosure must not be open while energized.

Mounting instructions

Refer to "Installation Instructions".

Routine tests

Routine tests according to EN 60079-1 cl. 15 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:

Please refer to the installation manual for instructions on minimizing the risk of electrostatic discharge.

[18]

Essential Health and Safety Requirements

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

Additional information

The Pulsalarm Pressure Leak Detection Switch has in addition passed the tests for Ingress Protection to IP 66 in accordance with EN60529:1991+A1:2000+A2:2013.

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.

Accredited by DANAK under registration number 7011 to certification of products.