

# EC-TYPE EXAMINATION CERTIFICATE



[1]

[2]

**Component intended for use on/in equipment or protective system  
intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

[3]

EC-Type Examination Certificate Number: **DEMKO 03 ATEX 0247663U Rev. 0**

[4]

Component: **Window Assemblies, EWK Series**

[5]

Manufacturer: **Adalet/Scott Fetzer Co.**

[6]

Address: **4801 W. 150<sup>th</sup> Street, Cleveland, OH 44135, USA**

[7]

This Component 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 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to design and construction of components 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. **4786736168**

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

**EN 60079-0:2012+A11:2013**

**EN 60079-7:2007**

**EN 60079-31:2009**

[10]

The sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

[11]

This EC-Type examination certificate relates only to the design, examination and tests of the specified component in accordance with the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

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The marking of the component shall include the following:

**II 2 G Ex e IIC Gb**

**II 2 D Ex tb IIIC Db IP66**

**Certification Manager**  
Jan-Erik Storgaard

This is to certify that the sample(s) of the Component described herein ("Certified Component") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Equipment Certification Program Requirements. This certificate and test results obtained apply only to the component 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 component. UL has not established Follow-Up Service or other surveillance of the component. The Manufacturer is solely and fully responsible for conformity of all component 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:** 2003-04-30

**Re-issued:** 2015-02-04



**Notified Body**

UL International Demko A/S, Ballerup 5A, 2750 Ballerup, Denmark  
Tel. +45 44 85 65 65, [info.dk@ul.com](mailto:info.dk@ul.com), [www.ul.com](http://www.ul.com)

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## Schedule

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#### Description of Component:

The EWK series of window assembly frames are manufactured of 304 stainless steel or 316 stainless steel and are available in various sizes as described below. The window assemblies consist of a window frame, retaining plate, gasket, tempered plate glass, hex nuts, and flat and lock washers. The EWK window assemblies are intended for installation in increased safety 'e' enclosures and are secured with the hardware provided.

Nomenclature for the EWK Window Assemblies:

<u>EWK</u>	<u>-03</u>	<u>03</u>	<u>SS</u>
I	II	III	IV

I – Window Assembly designation  
EWK Series

II – Window Viewing Area Length (in.)  
Dash and Two Digit Number: -03, -05, -07, -09, -11, -13, -15, -17, -23, -24, -AA\*

III – Window Viewing Area Width (in.)  
Two Digit Number: 03, 05, 07, 08, 09, 11, 13, 15, 17, 24, BB\*

IV – Material Designation  
SS – 304 Stainless Steel  
SS6 – 316L Stainless Steel

\* Where AA and BB are any two digit number manufactured in accordance with drawing no. DS680.

#### Temperature range

The ambient temperature range is -50 °C to +95°C.

#### Electrical data

N/A

#### Installation instructions

- EWK window kits may be installed in any wall made from 12-16 gauge stainless steel material.
- Make window cut out of appropriate size where window is to be mounted. See the installation instructions, Drawing No. DS687, for required window opening size.
- Place window in the frame within the stud parameter.
- Place the frame and window against the enclosure door with studs protruding through the opening.
- Assemble the retaining plate, nuts, and washers, align window, and tighten all nuts to 1.7 to 2.3 Nm of torque.

#### Routine tests

N/A

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#### Descriptive Documents

Project Report No.: 4786736168 (Hazardous Location Testing)

Documents:

<b>Description:</b>	<b>Document No.:</b>	<b>Rev. Level:</b>	<b>Date:</b>
EWK Window Assemblies	DS680	D	2014-12-19
Tempered Plate Glass	M3404	B	2011-04-26
EWK Window Assemblies Installation Instructions	DS687	D	2014-12-19
EWK Window Assemblies - Label	M3471	F	2014-12-19



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## Schedule

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### Schedule of limitations:

- The window assemblies have only been evaluated for installation in increased safety "e" metal enclosures with a minimum IP rating of IP 66.
- The gasket and the window have been evaluated as being suitable for a maximum temperature of 95°C.
- The window kits shall be installed to a flat rigid surface using the mounting means provided.
- To minimize the risk of electrostatic charge, provisions shall be made for adequate grounding and equipment shall be installed in such a manner so that accidental discharge shall not occur.

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### Essential Health and Safety Requirements

Concerning ESRs this Schedule verifies compliance with the Annex III of ATEX directive only. By placing the product on the market, the manufacturer declares compliance with other relevant Directives, and all other safety related requirements including those of Annex II of this Directive.

### Additional information

The EWK window assemblies have in addition passed the tests for Ingress Protection to IP 66 in accordance with EN60529: 1991/A1 2000.

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.

