

EU-TYPE EXAMINATION CERTIFICATE



[1]

[2]

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

[3]

EU-Type Examination Certificate Number: **DEMKO 09 ATEX 147278U Rev. 2**

[4]

Component: **Empty Terminal Enclosures**

[5]

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

[6]

Address: **4801 W. 150th Street, Cleveland, OH 44135 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 the European Parliament and the Council, dated 26 February 2014, 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.

[9]

The examination and test results are recorded in confidential report no. **4789255419.3.1**

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

EN 60079-0:2012+A11:2013

EN 60079-7:2015 +A1:2018

EN 60079-31:2014

[10]

The sign "U" is placed after the certificate number. It 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 EU-Type Examination Certificate relates only to the design and construction of the specified component. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

[12]

The marking of the component shall include the following:



II 2 G

Ex eb IIC Gb (for VC, VH, VCND and VHND series)



II 2 D

Ex tb IIIC Db IP66 (for VC and VH series)

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 Product 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 product. The Manufacturer is solely and fully responsible for conformity of all products 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: 2009-06-18

Re-issued: 2019-12-18



Notified Body

UL International Demko A/S, Ballerup 5A, 2750 Ballerup, Denmark
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[13]

[14]

Schedule
EU-TYPE EXAMINATION CERTIFICATE No.
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[15] Description of Component:
 The devices are empty terminal enclosures constructed out of brushed finish carbon steel, 316L stainless steel, or 304 stainless steel and are available in various sizes and depths. The enclosures consist of a cover, hinge assembly, body, external and internal grounding lugs, gland plates, gaskets, latch assemblies, and welded mounting lugs. The enclosures may be mounted in a vertical or horizontal position. The cover is secured to body of the enclosure by the use of latches that can only be opened with the use of a specialized key. VCND and VHND enclosures provided without latches on the top and bottom sides are only suitable for gas atmospheres.

Nomenclature:

VC4X6	09	06	05	H	A
I	II	III	IV	V	VI

- I. Basic Enclosure Designation
 VC4X – Brushed Finish Stainless Steel 304
 VC4X6 – Brushed Finish Stainless Steel 316L
 VCND4X – Brushed Finish Stainless Steel 304
 VCND4X6 – Brushed Finish Stainless Steel 316L
- II. Enclosure Length
 XX – Any two-digit number (30 maximum)
- III. Enclosure Width
 XX - Any two-digit number (30 maximum)
- IV. Enclosure Depth
 XX – Any two-digit number (16 maximum)
- V. Mounting Feet
 H – Horizontal
 V – Vertical
- VI. Gland Plate Location
 A – Gland Plate on Top Side
 B – Gland Plate on Bottom Side
 C – Gland Plate on Left Side
 D – Gland Plate on Right Side

VH4X6	10	10	06	A
I	II	III	IV	V

- I. Basic Enclosure Designation
 VH4X – Brushed Finish Stainless Steel 304
 VH4X6 – Brushed Finish Stainless Steel 316L
 VHND4X – Brushed Finish Stainless Steel 304
 VHND4X6 – Brushed Finish Stainless Steel 316L
- II. Enclosure Length
 XX – Any two-digit number (30 maximum)
- III. Enclosure Width
 XX – Any two-digit number (22 maximum)
- IV. Enclosure Depth
 XX – Any two-digit number (16 maximum)
- V. Gland Plate Location
 A – Gland Plate on Top Side
 B – Gland Plate on Bottom Side
 C – Gland Plate on Left Side
 D – Gland Plate on Right Side

Temperature range
 Ambient temperature range: -50°C to +100°C

Electrical data
 Not Applicable

Routine tests
 Routine tests are not required.

[13]

Schedule

[14]

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[16]

Descriptive Documents

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

[17]

Schedule of limitations:

- 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.
- Installation of conduit/cable entries must be in accordance with Drawing No. DS814 and DS814ND.
- All cable entry devices and blanking elements must be certified for protection type 'eb' and 'tb' and must have a minimum IP66 rating for VC and VH enclosures.
- All unused device openings in the box must be fitted with a certified close-up plug of protection types 'eb' and 'tb' and must have a minimum IP66 rating for VC and VH enclosures.
- All cable entry devices and blanking elements must be certified for protection type 'eb' and must have a minimum IP66 rating for VCND and VHND enclosures.
- All unused device openings in the box must be fitted with a certified close-up plug of protection types 'eb' and must have a minimum IP66 rating for VCND and VHND enclosures.
- These enclosures shall be installed to a flat rigid surface using the mounting means provided.

[18]

Essential Health and Safety Requirements

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

Additional information

The empty terminal enclosures have in addition passed the tests for Ingress Protection to IP 66 in accordance with EN60529:1991+A1:2000+A2:2013.



The trademark _____ 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.