

[1]

EU-TYPE EXAMINATION CERTIFICATE



[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 01 ATEX 0112700U Rev. 2**

[4]

Component: **Increased Safety Empty 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.

The examination and test results are recorded in confidential report no. **US/UL/ExTR10.0037/03.**

[9]

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

EN IEC 60079-0:2018 EN IEC 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**

 **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 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: 2013-05-08

Re-issued: 2021-11-23

Notified Body

UL International Demko A/S, Ballerup 5A, 2750 Ballerup, Denmark
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Schedule
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[15]

Description of Component:

The Type TN4/TN4X/TN4X6/CN4/CN4X/CN4X6 series of enclosures are empty enclosures for permanent installation of terminals. The enclosures are manufactured of polyester powder coated steel or brushed series 304 and 316L stainless steel respectively and are available in various sizes and depths. The enclosures consist of a cover, hinge assembly, body, grounding lug, gland plates, and gaskets. The enclosures may be mounted in a vertical or horizontal position and can be fitted with up to eight gland plates to provide future expansion and configuration.

Nomenclature for Type TN4 and CN4:

TN4	-18	18	08	U	-A	R0010
I	II	III	IV	V	VI	VII

I – Enclosure Material and Type

TN4 – Powder Coated Cold Rolled/Hot Rolled Steel Terminal Enclosure
TN4X – Brushed Finish Stainless Steel Type 304 Terminal Enclosure
TN4X6 – Brushed Finish Stainless Steel Type 316L Terminal Enclosure
CN4 -- Powder Coated Cold Rolled/Hot Rolled Steel Terminal Enclosure
CN4X – Brushed Finish Stainless Steel Type 304 Terminal Enclosure
CN4X6 -- Brushed Finish Stainless Steel Type 316L Terminal Enclosure

II – Enclosure Length

XX – Any two-digit number that indicates the outside box length (in inches) (max. 60 in. (1530 mm))

III – Enclosure Width

XX – Any two-digit number that indicates the outside box width (in inches) (max. 36 in. (914 mm))

IV – Enclosure Depth

XX – Any two-digit number that indicates outside box depth (in inches) (max. 36 in. (914 mm))

V – Empty Enclosure Assembly

U – No Components Installed

VI – Gland Plate Location(s)*

A – Gland plate installed on top of box
B – Gland plate installed on bottom of box
C – Gland plate installed on left side of box
D – Gland plate installed on right side of box

*Omit dashes when multiple gland plates are installed.

VII – Adalet Assembly Part Number

XXXXX – Any five digit alpha-numeric characters

Temperature range

The ambient temperature range is -50°C to +70 °C.

Routine tests

Not required.

[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:

- Installation of conduit/cable entries must be in accordance with Drawing No. DS546M.
- All cable entry devices and blanking elements must be certified for protection types 'eb' and 'tb' and must have a minimum IP 66 rating.
- All unused device openings must be fitted with a certified close-up plug of protection types 'eb' and 'tb' and must have a minimum IP 66 rating.
- The suitability of all entries should be considered in the end use application.
- The gaskets used in the device have a service temperature range of -50°C to +110°C.



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Schedule

[14]

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[18]

Essential Health and Safety Requirements

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

Additional information

The TN4 and CN4 empty enclosures have 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.

