



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX UL 09.0020X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 1 [Issue 0 \(2009-07-13\)](#)  
Date of Issue: 2021-11-04  
Applicant: **Adalet, A Scott Fetzer Co.**  
4801 W. 150th Street  
Cleveland, OH 44135  
**United States of America**  
Equipment: **Control Panel Enclosures**  
Optional accessory:  
Type of Protection: **Increased Safety "e" and Dust "tD"**  
Marking: Ex d e mb IIC T5/T6  
Ex tD A21 IP66 T200 °C

Approved for issue on behalf of the IECEx  
Certification Body:

**Katy A. Holdredge**

Position:

**Senior Staff Engineer**

Signature:  
(for printed version)

Date:

2021-11-04

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2. This certificate is not transferable and remains the property of the issuing body.
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Certificate issued by:

**UL LLC**  
**333 Pfingsten Road**  
**Northbrook IL 60062-2096**  
**United States of America**





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Manufacturer: **Adalet, A Scott Fetzer Co.**  
4801 W. 150th Street  
Cleveland, OH 44135  
**United States of America**

Additional manufacturing locations: **Adalet/Scott Fetzer Co.**  
201 Cunard Street  
Cardington, OH 43315  
**United States of America**

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2004** Electrical apparatus for explosive gas atmospheres - Part 0: General requirements  
Edition:4.0

**IEC 60079-7:2006-07** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:4

**IEC 61241-0:2004** Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements  
Edition:1

**IEC 61241-1:2004** Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"  
Edition:1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[US/UL/ExTR09.0023/00](#)

Quality Assessment Reports:

[US/UL/QAR08.0003/10](#)

[US/UL/QAR16.0016/04](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The Type CN series of enclosures are Control Panel Enclosures designed to incorporate control, display and regulatory type devices. Connections to these devices are made directly or through terminal blocks fitted inside enclosure. Their construction is identical to the Type TN series enclosures.

**Please see Annex for additional information.**

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

- This approval applies to equipment without cable/conduit entries. The cable/conduit entries must be certified as increased safety and have a minimum IP66 rating.
- The number of conductors entering an enclosure plus the number of internal connections (bridges and ground conductors are not counted) shall not exceed that of the Enclosure Size Terminal Content sheets. All terminals shall be evaluated according to IEC 60079-7, 4th Edition and covered by a Component Certificate for actual use, current and voltage.
- All operators are covered by a component certificate for protection type "d," "e," "mb," and have a minimum IP66 rating.
- After installation, all creepage distances and clearances shall be according to Table 1 in IEC 60079-7, 4th Edition.
- When operating devices of protection type "d," "e," "mb" are installed in the enclosure it shall be marked:
  - Ex d e mb IIC T6 for use in ambient temperature  $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$ , or
  - Ex d e mb IIC T5 for use in ambient temperature  $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$
- Operating temperature of all terminal blocks must be appropriate for the application.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Issue 1: Adds Manufacturer Adalet/Scott Fetzer Co., Cardington, OH (US/UL/QAR16.0016/04). No ExTR revision for this update.

**Annex:**

[Annex to IECEx UL 09.0020X Issue 1.pdf](#)



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## TYPE DESIGNATION

Nomenclature for Type CN:

CN4 -18 18 08 1 -A R0010  
I II III IV V VI VII

I – Enclosure Material

CN4 – Powder Coated Cold Rolled/Hot Rolled Steel  
CN4X – Brushed Finish Stainless Steel 304  
CN4X6 – Brushed Finish Stainless Steel 316L

II – Enclosure Length

XX – Any two-digit number (Maximum 1534 mm)

III – Enclosure Width

XX – Any two-digit number (Maximum 914 mm)

IV – Enclosure Depth

XX – Any two-digit number (Maximum 910 mm)

V – Number of Operating Devices

1-240

VI – Gland Plate Location(s)\*

A – Gland Plate on top side  
B – Gland plate on bottom side  
C – Gland plate on left side  
D – Gland plate on right side

\*Omit dashes when multiple Gland plates are installed.

VII – Adalet Assembly Part Number

XXXXX – Any five digit alphanumeric characters

## PARAMETERS RELATING TO THE SAFETY

Maximum Voltage: 1.1 kV

## MARKING

Marking has to be readable and indelible; it has to include the following indications:



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<b>ADALET</b> 4801 W150th CLEVELAND, OH 44135 USA		CE 0539 Ex II 2 G Ex demb IIC T8(T5:Ta <+55°C) CE 0539 Ex II 2 D Ex tD A21 IP66 T200°C DEMKO 01 ATEX 130437X	
IECEx UL 09.0020X		Cat # <input type="text"/>	
Ex demb IIC T8(T5:Ta <+55°C)		Ser # <input type="text"/>	
Ex tD A21 IP66 T200°C			
<b>LAMPS:</b>	<b>CONTACTS:</b>	<b>TERMINAL BLOCKS:</b>	
MAX WATTS <input type="text"/>	MAX AMPS <input type="text"/>	MAX WIRE SIZE: 2.5mm <sup>2</sup> MAX VOLTAGE: 600V	
MAX VOLTS <input type="text"/>	MAX VOLTS <input type="text"/>	MAX NO. OF WIRES <input type="text"/>	MAX. CURRENT <input type="text"/>
<b>DO NOT OPEN WHEN ENERGIZED</b>			YEAR <input type="text"/>
M3324C			

<b>ADALET</b> 4801 W150th CLEVELAND, OH 44135 USA		CE 0539 Ex II 2 G Ex demb IIC T8 CE 0539 Ex II 2 D Ex tD A21 IP66 T200°C DEMKO 01 ATEX 130437X	
IECEx UL 09.0020X		Cat # <input type="text"/>	
Ex demb IIC T8		Ser # <input type="text"/>	
Ex tD A21 IP66 T200°C			
<b>LAMPS:</b>	<b>CONTACTS:</b>	<b>TERMINAL BLOCKS:</b>	
MAX WATTS <input type="text"/>	MAX AMPS <input type="text"/>	MAX WIRE SIZE: 2.5mm <sup>2</sup> MAX VOLTAGE: 600V	
MAX VOLTS <input type="text"/>	MAX VOLTS <input type="text"/>	MAX NO. OF WIRES <input type="text"/>	MAX. CURRENT <input type="text"/>
<b>DO NOT OPEN WHEN ENERGIZED</b>			YEAR <input type="text"/>
M3329D			