



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: **IECEX UL 09.0024X** issue No.:1

Certificate history:  
Issue No. 1 (2012-2-29)  
Issue No. 0 (2009-7-31)

Status: **Current**

Date of Issue: **2012-02-29** Page 1 of 4

Applicant: **Adalet/ Scott Fetzer Company**  
4801 W. 150th Street  
Cleveland, OH 44135  
United States of America

Electrical Apparatus: **Control Panel Enclosures**  
Optional accessory:

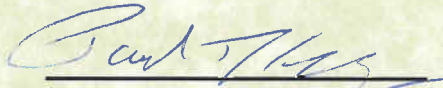
Type of Protection: **Increased Safety "e" and Dust "tD"**

Marking: **Ex d e mb IIC T5/T6, Ex tD A21 IP66 T200°C**

Approved for issue on behalf of the IECEx Certification Body: **Paul T. Kelly**

Position: **Principal Engineer, Global Hazardous Locations**

Signature:  
(for printed version)

  
2012-02-29

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

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





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

**Manufacturing location(s):**

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 electrical apparatus 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:

<b>IEC 60079-0 : 2007-10</b> Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
<b>IEC 60079-7 : 2006-07</b> Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
<b>IEC 61241-0 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical 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/ExTR09.0026/00](#)

[US/UL/ExTR09.0026/01](#)

Quality Assessment Report:

[US/UL/QAR08.0003/03](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The type CSC 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 the enclosure. These enclosures are manufactured of powder coated cold rolled steel, brushed finish stainless steel 304 and brushed finish steel 316L respectively and are available in various sizes and depths. The boxes 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.

Nomenclature for Type CSC:

CSC4 -18 18 08 1 -A R0001

I II III IV V VI VII

#### I - Enclosures Material Type

CSC4 - Powder Coated Cold Rolled/Hot Rolled Steel Control Panel Enclosure

CSC4X - Brushed Finish Stainless Steel 304 Control Panel Enclosure

CSC4X6 - Brushed Finish Stainless Steel 316L Control Panel Enclosure

#### II - Enclosure Length

XX - Any two-digit number (Maximum is 610 mm)

#### III - Enclosure Width

XX - Any two-digit number (Maximum is 610 mm)

#### IV - Enclosure Depth

XX - Any two-digit number (Maximum is 254 mm)

#### V - Number of Operating Devices

1-25

#### VI - Gland Plate Location(s)\*

A - Gland Plate on topside

B - Gland Plate on bottom side

C - Gland Plate on the left side

D - Gland Plate on the right side

\*Omit dashes when multiple gland plates are installed

#### VII - Adalet Assembly Part Number

XXXXX - Any five digit alpha numeric characters.

### CONDITIONS OF CERTIFICATION: 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 the enclosure plus the number of internal connections (bridges and ground connectors are not counted) shall not exceed that of the Enclosure Size Terminal Content sheets. All terminals shall be evaluated according to IEC 60079-7, Fourth Edition, and covered by a component certificate for the actual use, current and voltage.
- After installation, all creepage distances and clearances shall be according to Table 1 in IEC 60079-7, Fourth Edition.
- All operators are covered by a component certificate for protection type "d," "e," "mb," and have a minimum IP66 rating.
- 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: The CSC Enclosures were updated to IEC 600079-0 Fifth Edition with no changes made to their construction.