



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

Certificate No.: **IECEX UL 09.0024X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2012-02-29\)](#)
[Issue 0 \(2009-07-31\)](#)
Date of Issue: 2021-11-04
Applicant: **Adalet/ Scott Fetzer Company**
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:
(for printed version)

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 www.iecex.com or use of this QR Code.



Certificate issued by:

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





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Issue No: 2

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

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 60079-0:2007](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:5

[IEC 60079-7:2006](#) 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 Reports:

[US/UL/ExTR09.0026/00](#) [US/UL/ExTR09.0026/01](#)

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 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.

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 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 60079-0 Fifth Edition with no changes made to their construction.

Issue 2: Adds Manufacturer Adalet/Scott Fetzer Co., Cardington, OH (US/UL/QAR16.0016/04). No ExTR revision for this update.

Annex:

[Annex to IECEx UL 09.0024X Issue 2.pdf](#)



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TYPE DESIGNATION

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 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 alpha-numeric characters

PARAMETERS RELATING TO THE SAFETY

Maximum Voltage: 1.1 kV



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MARKING

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

ADALET		M6174C
4801 W150 ST., CLEVELAND, OHIO 44135 U.S.A.		
IECEx UL 09.0024X Ex d e mb IIC T6 Gb Ex tD A21 IP66 T200°C		CE0539 II 2 G Ex d e mb IIC T6 Gb CE0539 II 2 D Ex tD A21 IP66 T200°C DEMKO 01 ATEX 130438X
Cat # <input type="text"/>		
Ser # <input type="text"/>		
 LISTED 30RL Control Panels and Assemblies for use in Hazardous Locations		Class I, Zone 1, AEx d e mb IIC T6 Ex d e mb IIC T6X Cl. I, Div. 2, Grps. ABCD; Cl. II, Div. 2, Grps. FG Type 4X, 12, & 13
LAMPS: MAX WATTS <input type="text"/> MAX VOLTS <input type="text"/>	CONTACTS: MAX AMPS <input type="text"/> MAX VOLTS <input type="text"/>	TERMINAL BLOCKS: MAX WIRE SIZE: 2.5mm ² MAX VOLTAGE: 600V MAX NO. OF WIRES <input type="text"/> MAX CURRENT <input type="text"/> YEAR <input type="text"/>
DO NOT OPEN WHEN ENERGIZED		

ADALET		M6175C
4801 W150 ST., CLEVELAND, OHIO 44135 U.S.A.		
IECEx UL 09.0024X Ex d e IIC T6 Gb Ex tD A21 IP66 T200°C		CE0539 II 2 G Ex d e IIC T6 Gb CE0539 II 2 D Ex tD A21 IP66 T200°C DEMKO 01 ATEX 130438X
Cat # <input type="text"/>		
Ser # <input type="text"/>		
 LISTED 30RL Control Panels and Assemblies for use in Hazardous Locations		Class I, Zone 1, AEx d e IIC T6 Ex d e IIC T6X Cl. I, Div. 2, Grps. ABCD; Cl. II, Div. 2, Grps. FG Type 4X, 12, & 13
LAMPS: MAX WATTS <input type="text"/> MAX VOLTS <input type="text"/>	CONTACTS: MAX AMPS <input type="text"/> MAX VOLTS <input type="text"/>	TERMINAL BLOCKS: MAX WIRE SIZE: 2.5mm ² MAX VOLTAGE: 600V MAX NO. OF WIRES <input type="text"/> MAX CURRENT <input type="text"/> YEAR <input type="text"/>
DO NOT OPEN WHEN ENERGIZED		





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ADALET			M6176B
4801 W150 ST., CLEVELAND, OHIO 44135 U.S.A.			
CE0539 II 2 G Ex d e mb IIC T6(T5:Ta ≤+55°C)Gb CE0539 II 2 D Ex tD A21 IP66 T200°C DEMKO 01 ATEX 130438X			
Ex d e mb IIC T6(T5:Ta ≤+55°C)Gb Ex tD A21 IP66 T200°C IECEx UL 09.0024X			Cat # <input type="text"/>
 LISTED 30RL <small>Control Panels and Assemblies for use in Hazardous Locations</small>			Ser # <input type="text"/>
Class I, Zone 1, AEx d e mb IIC T6 (T5:Ta ≤+55°C) Ex d e mb IIC T6X(T5:Ta ≤+55°C) Cl. I, Div. 2, Grps. ABCD; Cl. II, Div. 2, Grps. FG Type 4X, 12, & 13			
LAMPS: MAX WATTS <input type="text"/> MAX VOLTS <input type="text"/>	CONTACTS: MAX AMPS <input type="text"/> MAX VOLTS <input type="text"/>	TERMINAL BLOCKS: MAX WIRE SIZE: 2.5mm ² <input type="text"/> MAX NO. OF WIRES <input type="text"/>	MAX VOLTAGE: 600V <input type="text"/> MAX. CURRENT <input type="text"/>
DO NOT OPEN WHEN ENERGIZED			YEAR <input type="text"/>

ADALET			M6177C
4801 W150 ST., CLEVELAND, OHIO 44135 U.S.A.			
CE0539 II 2 G Ex d e IIC T6(T5:Ta ≤+55°C)Gb CE0539 II 2 D Ex tD A21 IP66 T200°C DEMKO 01 ATEX 130438X			
Ex d e IIC T6(T5:Ta ≤+55°C)Gb Ex tD A21 IP66 T200°C IECEx UL 09.0024X			Cat # <input type="text"/>
 LISTED 30RL <small>Control Panels and Assemblies for use in Hazardous Locations</small>			Ser # <input type="text"/>
Class I, Zone 1, AEx d e IIC T6 (T5:Ta ≤+55°C) Ex d e IIC T6X(T5:Ta ≤+55°C) Cl. I, Div. 2, Grps. ABCD; Cl. II, Div. 2, Grps. FG Type 4X, 12, & 13			
LAMPS: MAX WATTS <input type="text"/> MAX VOLTS <input type="text"/>	CONTACTS: MAX AMPS <input type="text"/> MAX VOLTS <input type="text"/>	TERMINAL BLOCKS: MAX WIRE SIZE: <input type="text"/> MAX NO. OF WIRES <input type="text"/>	MAX VOLTAGE: <input type="text"/> MAX. CURRENT <input type="text"/>
DO NOT OPEN WHEN ENERGIZED			YEAR <input type="text"/>