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

Certificate No.:	IECEx UL 10.0031U issue No.:1	Certificate history: Issue No. 1 (2013-5-8) Issue No. 0 (2010-9-17)
Status:	**Current**	
Date of Issue:	**2013-05-08**	Page 1 of 4

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

Electrical Apparatus: **TN4/TN4X/TN4X6 and CN4/CN4X/CN4X6 Series of Empty Increased Safety Enclosures**
Optional accessory:

Type of Protection: **Increased Safety "e", Protection by Enclosures "t"**

MISSING GAS GROUP (IIC)

Marking: Ex e II Gb
Ex tb IIIC Db IP66

Approved for issue on behalf of the IECEx Certification Body: Katy A. Holdredge

Position: Sr. Staff Engineer

Signature: (for printed version) Katy A. Holdredge

Date: 2013-05-08

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.

Certificate issued by:

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

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

Additional 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:

IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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/ExTR10.0037/00 US/UL/ExTR10.0037/01

Quality Assessment Report:

US/UL/QAR08.0003/04

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Schedule

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

The Type TN4/TN4X/TN4X6 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, gounding 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.

Please see attached Annex for more details and list of Schedule of Limitations.

CONDITIONS OF CERTIFICATION: NO

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

Issue 1: Udpated to the latest editions of standards.

Annexe: Annex to IECEx UL 10.0031U Issue 1.pdf

Annex to IECEx UL 10.0031U Issue 1

Nomenclature for Type TN4:

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

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 'e' 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 'e' 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.