



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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX UL 10.0031U** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 3 [Issue 2 \(2017-11-17\)](#)
Date of Issue: 2021-11-23 [Issue 1 \(2013-05-08\)](#)
[Issue 0 \(2010-09-17\)](#)
Applicant: **Adalet/Scott Fetzer Co.**
4801 W. 150th Street
Cleveland, OH 44135
United States of America
Ex Component: Empty Enclosures - TN4*, TN4X*, TN4X6*, CN4*, CN4X*, CN4X6* Series
This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).
Type of Protection: **Increased Safety "eb", Dust Ignition Protection by Enclosure "tb"**
Marking: Ex eb IIC Gb
Ex tb IIIC Db IP66

Approved for issue on behalf of the IECEx
Certification Body:

Lucy Frieders

Position:

Staff Engineer

Signature:
(for printed version)

Date:

2021-11-23

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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Manufacturer: **Adalet/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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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/ExTR10.0037/00](#)
[US/UL/ExTR10.0037/03](#)

[US/UL/ExTR10.0037/01](#)

[US/UL/ExTR10.0037/02](#)

Quality Assessment Reports:

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

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



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Ex Component(s) covered by this certificate is described below:

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.

Please see Annex for additional information.

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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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Updated to the latest editions of standards.

Issue 2: Updated to latest editions of IEC 60079-7 and IEC 60079-31 and added alternate cover to body gasket for the TN series of enclosures.

Issue 3: Welded NPT pipe couplings were added as optional entries for the series of enclosures. Standards IEC 60079-0 and IEC 60079-7 were updated to the latest editions. There are no differences between IEC 60079-7, Edition 5.0, and IEC 60079-7, Edition 5.1 that affect these products. Adds Manufacturer site Adalet/Scott Fetzer Co., Cardington, OH (US/UL/QAR16.0016/04).

Annex:

[Annex to IECEx UL 10.0031U Issue 3.pdf](#)



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TYPE DESIGNATION

Nomenclature for Type TN4/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

MARKING

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

ADALET		M3322H
a Scott Fetzer company		
<small>4801 WEST 150TH STREET CLEVELAND, OH 44135</small>		
Cat. No.	<input type="text"/>	
Serial No.	<input type="text"/>	
0539Ex	II 2 G Ex eb IIC Gb	Ex eb IIC Gb
	II 2 D Ex tb IIIC Db IP66	Ex tb IIIC Db IP66
	-50C≤Ta≤70°C	-50C≤Ta≤70°C
DEMKO	01 ATEX 0112700U	IECEx UL 10.0031U
	YEAR	<input type="text"/>