



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 10.0030U	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 5	Issue 4 (2016-04-18)
Date of Issue:	2021-11-04		Issue 3 (2014-10-05)
Applicant:	Adalet/Scott Fetzer Co. 4801 W. 150th Street Cleveland, OH 44135 United States of America		Issue 2 (2012-09-10)
Equipment:	Empty Enclosures, TSC4*, TSC4X*, TSC4X6* Series		Issue 1 (2012-02-07)
Optional accessory:			Issue 0 (2010-08-17)
Type of Protection:	Increased Safety "e" Protection by Enclosure "tb"		
Marking:	Ex e IIC Gb Ex tb III C Db IP66		

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

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: 5

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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-31:2008 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
Edition:1

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

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/ExTR10.0036/00](#)
[US/UL/ExTR10.0036/03](#)

[US/UL/ExTR10.0036/01](#)
[US/UL/ExTR10.0036/04](#)

[US/UL/ExTR10.0036/02](#)

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 TSC4/TSC4X/TSC4X6 series of enclosures are empty enclosures with screw secured covers. 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 boxes consist of a cover, 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 twelve (max.) gland plates to provide future expansion and configuration.

Please see Annex for additional information.

- This certification applies to equipment without cable/conduit entries. When installing cable or conduit entries, the cable/conduit entries must be certified for protection types 'e' and 'tb', and must have a minimum IP66 rating.
- Installation of conduit openings/cable glands must be in accordance with the drawing DS545M.
- The gaskets used in this device are suitable for a maximum temperature at the gasket of 110 °
- 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.
- To minimize the risk of electrostatic charge, provisions shall be made for adequate grounding and equipment shall be installed in such a manner so that accidental discharge shall not occur.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Updated to standard IEC 60079-0 Ed. 5; Overall dimensions for the TSC series terminal enclosures changed, but the distance between securement points did not change.

Issue 2: Updated the standards to IEC 60079-0 Ed. 6 and IEC 60079-31 Ed. 1. Also, a pour-in-place gasket option was added.

Issue 3: Increased lower ambient from -20°C to -50°C for cover gasket and gland plate gasket combination on enclosures.

Issue 4: Update the enclosure maximum amount of gland plates from four to twelve.

Issue 5: Adds Manufacturer Adalet/Scott Fetzer Co., Cardington, OH (US/UL/QAR16.0016/04). No ExTR revision for this update.

Annex:

[Annex to IECEx UL 10.0030U Issue 5.pdf](#)



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TYPE DESIGNATION

Nomenclature for Type TSC series:

TSC4 -18 18 08 U -EMC -A R001
I II III IV V VI VII VIII

I – Enclosure Material and Type

TSC4 – Powder Coated Cold Rolled/Hot Rolled Steel Terminal Enclosure

TSC4X – Brushed Finish Stainless Steel Type 304 Terminal Enclosure

TSC4X6 – 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. 82.7 in. (2100 mm))

III – Enclosure Width

XX – Any two-digit number that indicates the outside box width (in inches) (max. 39.4 in. (1000 mm))

IV – Enclosure Depth

XX – Any two-digit number that indicates outside box depth (in inches) (max. 16 in. (406 mm))

V – Empty Enclosure Assembly

U – No Components Installed

VI – EMC Shielding*

EMC – EMC shielding installed on cover

* EMC shielding option not available with gland plates or TSC4 series enclosures.

VII – 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

E – Gland plate installed on back side of box

*Omit dashes when multiple gland plates are installed. EMC shielding option not available with gland plates.

VIII – Adalet Assembly Part Number

XXXX – Any four digit alpha-numeric characters

MARKING

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



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3.25 REF.


ADALET
A SCOTT FETZER COMPANY
4801 WEST 150TH, CLEVELAND, OHIO 44135 USA

Cat. No.

S/N -50°C ≤ Ta ≤ 70°C

0539 Ⓜ II 2 G Ex e IIC Gb Ex e IIC Gb
0539 Ⓜ II 2 D Ex tb IIC Db IP66 Ex tb IIC Db IP66
DEMKO 01 ATEX 0113363U IECEx UL 10.0030U

Junction and Pull Box for Hazardous Locations

 Ex e IIC
Class II, Division 2

NEMA; Type 4 , 12, & 13 YEAR

M3327J

2.50 REF.

-50°C WITH BISCOE SILICONE HT-800 GASKET