



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 15.0123U**

Page 1 of 4

Certificate history:

Status: **Current**

Issue No: 3

Issue 2 (2019-04-26)

Issue 1 (2017-10-13)

Issue 0 (2016-03-09)

Date of Issue: 2021-06-30

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

Ex Component: Flameproof Operators

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: **Flameproof "db"**

Marking: Ex db IIC Gb

Approved for issue on behalf of the IECEx
Certification Body:

Andrew Moffat

Position:

Project Engineer

Signature:
(for printed version)

Date:

2021-06-30

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





IECEX Certificate of Conformity

Certificate No.: **IECEX UL 15.0123U**

Page 2 of 4

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Issue No: 3

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

Additional
manufacturing
locations:

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 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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/ExTR15.0144/00](#)
[US/UL/ExTR15.0144/03](#)

[US/UL/ExTR15.0144/01](#)

[US/UL/ExTR15.0144/02](#)

Quality Assessment Report:

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



IECEX Certificate of Conformity

Certificate No.: **IECEX UL 15.0123U**

Page 3 of 4

Date of issue: 2021-06-30

Issue No: 3

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

The flameproof operators are utilized to complete a flameproof enclosure. The operators are threaded into a flameproof enclosure and utilize a shaft to attach an external operation device.

Please see Annex for additional information.

SCHEDULE OF LIMITATIONS:

- Repairs of flameproof joints are not permitted. If a flameproof joint is damaged please contact Adalet.
- WARNING: WIPE WITH DAMP CLOTH TO REDUCE THE POTENTIAL FOR ELECTRO-STATIC DISCHARGE.



IECEX Certificate of Conformity

Certificate No.: **IECEX UL 15.0123U**

Page 4 of 4

Date of issue: 2021-06-30

Issue No: 3

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: An additional standard designation base is being added as an alternate construction option for the XLX Series of pilot lights.

Issue 2: IP66 rating was added to the operators.

Issue 3: Update to 7th edition of 60079-0 for all products. New thread seal for the XMOB, XMOL, XMOS, XIRB, and XMORB products.

Annex:

[Annex to IECEx UL 15.0123U Issue 3.pdf](#)



IECEX Certificate of Conformity

Certificate No.: IECEX UL 15.0123U

Issue No.: 3

Page 1 of 9

TYPE DESIGNATION

PUSH BUTTON CATALOG NUMBERS:

XHPB	PL
I	II

I	XHPB	PUSH BUTTON, STANDARD BUTTON, LONG
	XHPBS	PUSH BUTTON, STANDARD BUTTON, SHORT
	XHPBM	PUSH BUTTON, MUSHROOM HEAD BUTTON, LONG
	XHPBMS	PUSH BUTTON, MUSHROOM HEAD BUTTON, SHORT
II	PL	LOCKOUT DEVICE

PUSH PULL CATALOG NUMBERS

XHPPM	PUSH, PULL, LONG, STANDARD OPERATION
XHPPMS	PUSH, PULL, SHORT, STANDARD OPERATION
XHPPM-TTR	PUSH, PULL, LONG, TWIST TO RELEASE OPERATIONS
XHPPMS-TTR	PUSH, PULL, SHORT, TWIST TO RELEASE OPERATIONS

RECESSED RESET BUTTON CATALOG NUMBERS

XRBR	A
I	II

I	XRBR	RECESSED RESET BUTTON
II	A	ADDITIONAL LETTERS OR NUMBERS



IECEX Certificate of Conformity

Certificate No.: IECEX UL 15.0123U

Issue No.: 3

Page 2 of 9

KEYED SELECTOR SWITCH CATALOG NUMBERS

XHKSS	KEYED SELECTOR SWITCH, LONG, STANDARD ACTIVATION, 2 OR 3 POSITION (NO SPRING RETURN)
XHKSC	KEYED SELECTOR SWITCH, LONG, SPRING RETURN ACTIVATION TO CENTER FROM LEFT AND RIGHT, 3 POSIITON
XHKSL	KEYED SELECTOR SWITCH, LONG, SPRING RETURN ACTIVATION TO CENTER FROM LEFT, 3 POSITION
XHKSL2	KEYED SELECTOR SWITCH, LONG, SPRING RETURN ACTIVATION TO CENTER FROM LEFT, 2 POSITION
XHSR	KEYED SELECTOR SWITCH, LONG, SPRING RETURN ACTIVATION TO CENTER FROM RIGHT, 3 POSITION
XHKSR2	KEYED SELECTOR SWITCH, LONG, SPRING RETURN ACTIVATION TO CENTER FROM RIGHT, 2 POSITION
XHKSSS	KEYED SELECTOR SWITCH, SHORT, STANDARD ACTIVATION, 2 OR 3 POSITION (NO SPRING RETURN)
XHKSSC	KEYED SELECTOR SWITCH, SHORT, SPRING RETURN ACTIVATION TO CENTER FROM LEFT AND RIGHT, 3 POSITION
XHKSSL	KEYED SELECTOR SWITCH, SHORT, SPRING RETURN ACTIVATION TO CENTER FROM LEFT, 3 POSITION
XHKSSL2	KEYED SELECTOR SWITCH, SHORT, SPRING RETURN ACTIVATION TO CENTER FROM LEFT, 2 POSITION
XHKSSR	KEYED SELECTOR SWITCH, SHORT, SPRING RETURN ACTIVATION TO CENTER FROM RIGHT, 3 POSITION
XHKSSR2	KEYED SELECTOR SWITCH, SHORT, SPRING RETURN ACTIVATION TO CENTER FROM RIGHT, 2 POSITION



IECEx Certificate of Conformity

Certificate No.: IECEx UL 15.0123U

Issue No.: 3

Page 3 of 9

SELECTOR SWITCH CATALOG NUMBERS

XHSR	PL
I	II

I	XHSS	SELECTOR SWITCH, LONG, STANDARD ACTIVATION, 2 OR 3 POSITION (NO SPRING RETURN)
	XHSC	SELECTOR SWITCH, LONG, SPRING RETURN ACTIVATION TO CENTER FROM LEFT AND RIGHT, 3 POSITION
	XHSL	SELECTOR SWITCH, LONG, SPRING RETURN ACTIVATION TO CENTER FROM LEFT, 3 POSITION
	XHSL2	SELECTOR SWITCH, LONG, SPRING RETURN ACTIVATION TO CENTER FROM LEFT, 2 POSITION
	XHSR	SELECTOR SWITCH, LONG, SPRING RETURN ACTIVATION TO CENTER FROM RIGHT, 3 POSITION
	XHSR2	SELECTOR SWITCH, LONG, SPRING RETURN ACTIVATION TO CENTER FROM RIGHT, 2 POSITION
	XHSSS	SELECTOR SWITCH, SHORT, STANDARD ACTIVATION, 2 OR 3 POSITION (NO SPRING RETURN)
	XHSSC	SELECTOR SWITCH, SHORT, SPRING RETURN ACTIVATION TO CENTER FROM LEFT AND RIGHT, 3 POSITION
	XHSSL	SELECTOR SWITCH, SHORT, SPRING RETURN ACTIVATION TO CENTER FROM LEFT, 3 POSITION
	XHSSL2	SELECTOR SWITCH, SHORT, SPRING RETURN ACTIVATION TO CENTER FROM LEFT, 2 POSITION
	XHSSR	SELECTOR SWITCH, SHORT, SPRING RETURN ACTIVATION TO CENTER FROM RIGHT, 3 POSITION
	XHSSR2	SELECTOR SWITCH, SHORT, SPRING RETURN ACTIVATION TO CENTER FROM RIGHT, 2 POSITION
II	PL	LOCKOUT DEVICE

MULTI-POSITION SWITCH CATALOG NUMBERS

XSS	-	4P
I	II	III

I	XSSL	SELECTOR SWITCH, LONG
	XSSSS	SELECTOR SWITCH, SHORT
II	DASH	
III	ADDITIONAL LETTERS OR NUMBERS	



IECEx Certificate of Conformity

Certificate No.: IECEx UL 15.0123U

Issue No.: 3

Page 4 of 9

POTENTIOMETER CATALOG NUMBERS

XPO	POTENTIOMETER, LONG, STANDARD DIAL
XPOS	POTENTIOMETER, SHORT, STNADARD DIAL
XPOC	POTENTIOMETER, LONG, COUNTER DIAL
XPOCS	POTENTIOMETER, SHORT, COUNTER DIAL
XPOL	POTENTIOMETER, LONG, LARGE DIAL
XPOLS	POTENTIOMETER, SHORT, LARGE DIAL

RESET BUTTON CATALOG NUMBERS

XRB	A
I	II

I	XRB	RESET BUTTON, SHORT
	XRBL	RESET BUTTON, LONG
II	ADDITIONAL LETTERS AND NUMBERS	

DUAL PUSH BUTTON CATALOG NUMBERS

XHDPB	L
I	II

I	XHDPB	DUAL PUSH BUTTON, LONG, MOMENTARY CONTACT
	XHDPBS	DUAL PUSH BUTTON, SHORT, MOMENTARY CONTACT
	XHDMC	DUAL PUSH BUTTON, LONG, MAINTAINED CONTACT
	XHDMCS	DUAL PUSH BUTTON, SHORT, MAINTAINED
II	L	LOCKOUT DEVICE



IECEx Certificate of Conformity

Certificate No.: IECEx UL 15.0123U

Issue No.: 3

Page 5 of 9

COUPLING SHAFT CATALOG NUMBERS

XCS	2
I	II

I	XCS	COUPLING SHAFT
II	2	1/4 DIAMETER
	3	5/16 DIAMETER
	5	1/2 DIAMETER

INTERMEDIATE RESET BUTTON CATALOG NUMBERS

XIRB	INTERMEDIATE RESET BUTTON, LONG
XIRBS	INTERMEDIATE RESET BUTTON, SHORT

MINIATURE PUSH BUTTON CATALOG NUMBERS

XMOB	-	1
I	II	III

I	XMOB	MINIATURE PUSH BUTTON, LONG
	XMOBS	MINIATURE PUSH BUTTON, SHORT
II	DASH	
III	ADDITIONAL LETTERS AND NUMBERS	

MINIATURE RESET BUTTON CATALOG NUMBERS

XMORB	MINIATURE RESET BUTTON, LONG
XMORBS	MINIATURE RESET BUTTON, SHORT

MINIATURE SELECTOR SWITCH CATALOG NUMBERS

XMOS	-1
I	II

I	XMOS	MINIATURE SELECTOR SWITCH, LONG
	XMOSS	MINIATURE SELECTOR SWITCH, SHORT
II	ADDITIONAL LETTERS OR NUMBERS	



IECEx Certificate of Conformity

Certificate No.: IECEx UL 15.0123U

Issue No.: 3

Page 6 of 9

MINIATURE PILOT LIGHT CATALOG NUMBERS

XMOL	A	120V
I	II	III

I	XMOL	MINIATURE PILOT LIGHT
II	A	AMBER
	B	BLUE
	C	CLEAR
	G	GREEN
	R	RED
	W	WHITE
III	120V	120 VOLTS AC OR DC
	24V	24 VOLTS AC OR DC
	12V	12 VOLTS AC OR DC

PILOT LIGHT CATALOG NUMBERS

XLX	R	120	-	G
I	II	III	IV	V

I	XLX	PILOT LIGHT, LONG
	XLXS	PILOT LIGHT SHORT
II	A	AMBER
	B	BLUE
	C	CLEAR
	G	GREEN
	R	RED
	W	WHITE
III	120	VOLTAGE (12-120, 240)
IV	-	DASH
V	G	GUARDED CAP



IECEx Certificate of Conformity

Certificate No.: IECEx UL 15.0123U

Issue No.: 3

Page 7 of 9

LIGHTED PUSH BUTTON CATALOG NUMBERS

XLPX	A	X	12
I	II	III	IV

I	XLP	LIGHTED PUSH BUTTON, LONG
	XLPS	LIGHTED PUSH BUTTON, SHORT
II	A	AMBER
	B	BLUE
	C	CLEAR
	G	GREEN
	R	RED
	W	WHITE
III	X	
IV	12	VOLTAGE (12-120, 240)

LARGE BREAKER HANDLE CATALOG NUMBERS

XCBH2	-	1
I	II	III

I	XCBH2	BREAKER HANDLE
II	-	DASH
III	ADDITIONAL LETTER AND NUMBERS	



IECEx Certificate of Conformity

Certificate No.: IECEx UL 15.0123U

Issue No.: 3

Page 8 of 9

SMALL HANDLE CATALOG NUMBERS

X2PB	1	-H	GR1
I	II	III	IV

I	X2PB	SMALL HANDLE, PANELBOARD
II	ADDITIONAL LETTERS AND NUMBERS	
III	-H	
IV	ADDITIONAL LETTERS AND NUMBERS	

XCBH	21
I	II

I	XCBH	SMALL HANDLE, BREAKER
II	ADDITIONAL LETTERS AND NUMBERS	

XRSO1	1
I	II

I	XRSO1	SMALL HANDLE, ROTARY STYLE
II	ADDITIONAL LETTERS AND NUMBERS	

OPERATORS HANDLE CATALOG NUMBERS

XBO2	-	6
I	II	III

I	XBO2	OPERATOR HANDLE, LONG
	XBOS2	OPERATOR HANDLE, SHORT
II	-	DASH
III	ADDITIONAL LETTERS AND NUMBERS	



IECEx Certificate of Conformity


Certificate No.: IECEx UL 15.0123U

Issue No.: 3

Page 9 of 9

MARKING

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

MARKING LABEL	
CATALOG	
IECEx CERTIFICATE: IECEx UL 15.0123U Ex db IIC Gb IP66	
ATEX CERTIFICATE: DEMKO 15 ATEX 1575U 0539  II 2 G Ex db IIC Gb IP66	
SERIAL NO.	YEAR OF CONSTRUCTION
-50≤Tamb≤100°C	
ADALET CLEVELAND OH 44135	