



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 LCIE 17.0001X Issue No: 0 Certificate history:
Issue No. 0 (2017-01-18)

Status: **Current** Page 1 of 3

Date of Issue: **2017-01-18**

Applicant: **Barksdale, Inc.**
3211 Fruitland Ave
Los Angeles CA 90058
United States of America

Equipment: **Pressure switch and Temperature switch, type :9692X, 9671X, 9681X,
A9692X, A9671X, A9681X, T9692X**

Optional accessory:

Type of Protection: **Ex d**

Marking: Ex d IIC T6 Gb

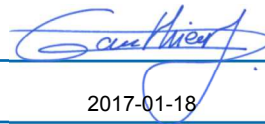
Approved for issue on behalf of the IECEx
Certification Body:

Julien Gauthier

Position:

Certification Officer

Signature:
(for printed version)



Date:

2017-01-18

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](http://www.iecex.com).

Certificate issued by:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France





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Manufacturer: **Barksdale, Inc.**
3211 Fruitland Ave
Los Angeles CA 90058
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 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

*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:

[FR/LCIE/ExTR17.0003/00](#)

Quality Assessment Report:

[FR/LCI/QAR08.0004/06](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The apparatus are electro-mechanical pressure switch and temperature switch intended for use in hazardous area. It is used to send a signal to turn on or turn off an equipment according to the pressure or temperature in a system. There are 2 different versions of housing: -a housing without mounting holes of marking label -a longer housing with 2 mounting holes of marking label (Type K)

CONDITIONS OF CERTIFICATION: YES as shown below:

-Conduit entry shall be potted with epoxy encapsulating compound (EPOCAP25137) and a certified connecting device shall be used according to the intended use.

-Repairs of flameproof joints should not be undertaken by the end user. In the event that flameproof joint must be repaired, contact the manufacturer.

-Opening time is 3 minutes for temperature ambient up to +60°C and 5 minutes for +65°C.

Annex:

[LCIE 17.0001x issue00-Annex00.pdf](#)



Annex 00 to Certificate IECEX LCIE 17.0001X issue 00



FULL EQUIPMENT DESCRIPTION

The apparatus are electro-mechanical pressure switch and temperature switch intended for use in hazardous area. They are used to send a signal to turn on or turn off equipment according to the pressure or temperature in a system.

There are 2 different versions of housing:

- a housing without mounting holes of marking label
- a longer housing with 2 mounting holes of marking label (Type K).

MARKING

Barksdale, Inc.
 Address: ...
 Type : 9692X, 9671X, 9681X, A9692X, A9671X, A9681X or T9692X
 Serial number: ...
 Year of construction: ...
 Ex d IIC T6 Gb
 $-20^{\circ}\text{C} \leq T_{amb} \leq +40^{\circ}\text{C}$ or $-40^{\circ}\text{C} \leq T_{amb} \leq +60^{\circ}\text{C}$ or
 $-40^{\circ}\text{C} \leq T_{amb} \leq +65^{\circ}\text{C}$
 IECEX LCIE 17.0001X
 WARNING – DO NOT OPEN WHEN ENERGIZED.
 WARNING - AFTER DE-ENERGIZING, DELAY X* MINUTES BEFORE OPENING.

* Opening time (minute)	3	5
T _{amb}	+60°C	+65°C

RANGE DETAILS

Pressure switch	Vaccum switch	Temperature switch	T _{amb}	Opening time (minute) for T6
9692X, 9681X	9671X		$-20^{\circ}\text{C} \leq T_{amb} \leq +40^{\circ}\text{C}$	0
A9692X, A9681X	A9671X		STD: $-20^{\circ}\text{C} \leq T_{amb} \leq +60^{\circ}\text{C}$	3
			LT: $-40^{\circ}\text{C} \leq T_{amb} \leq +65^{\circ}\text{C}$	5
		T9692X	$-40^{\circ}\text{C} \leq T_{amb} \leq +60^{\circ}\text{C}$	3

RATINGS

- 11 A, 125/250 VAC ou 5 A, 30 VDC maximum for standard switch (CC),
- 1 A, 125 VAC maximum for switch with contact in gold (GH).

ROUTINE TESTS

None.