



Member of the FM Global Group

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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

### ***LST300abcdL1H1 Compact Ultrasonic Level Transmitter***

IS / I / 1 / ABCD / T6...T4

I / 0 / Ex ia / IIC / T6...T4

NI / I / 2 / ABCD / T6...T4

I / 2 / Ex nA / IIC / T6...T4

DIP / II / 2 / EFG / T6...T4

DIP / III / T6...T4

-40 °C ≥ Ta ≥ \*

Type 4X; IP66, IP67

3KXL065035U000

\*See control drawing

a = Explosion Protection; F3, F4 or F8

b = Sensor Type and Range; C10 or C06

c = Process Connection Type; U5 or U2

d = Housing material; A1, B1, S1 or T1

g = Additional options (one or more); B\*, C\*, F\*\*, GS\*, L0, L2, L7, M\*, S1, TC\*

\*Variable – not relevant to safety

### *Specific Conditions of Use*

1. *When the manufacturer of the equipment has not identified the type of protection on the label (option a = F8), the user shall, on installation, mark the label with the type of protection used.*
2. *The painted surface of the LST300 may store electrostatic charge and become a source of ignition in applications with a low relative humidity <~30% relative humidity where the painted surface is relatively free of surface contamination such as dirt, dust, or oil. Guidance on protection against the risk of ignition due to electrostatic discharge can be found in IEC TR60079-32-1. Cleaning of the painted surface should only be done with a damp cloth.*
3. *For option d (housing material) equals A1 or B1 the enclosure contains aluminium and is considered to present a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction.*

## Equipment Ratings:

Intrinsically safe for Class I, Division 1, Groups A, B, C and D and for Class I, Zone 0 Group IIC Hazardous Locations when installed in accordance with Control Drawing 3KXL065035U000. Suitable for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups E, F and G and Class III Hazardous Locations. Temperature classification T6...T4 at an ambient temperature of -40 °C to +85 °C.  
Note: The T-Class is dependent on the ambient temperature of the installation.

## FM Approved for:

ABB Engineering (Shanghai) Ltd  
Shanghai, China



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This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

CSA C22.2 No. 157	2012
CSA C22.2 No. 213	2013
CAN/CSA-C22.2 No. 60079-0	2011
CAN/CSA-C22.2 No. 60079-11	2014
CAN/CSA-C22.2 No. 60079-15	2012
CAN/CSA C22.2 No. 60529	2005 (R2015)
CAN/CSA C22.2 No. 61010-1	2012

Original Project ID: 3054628

Approval Granted: April 5, 2016

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

J.E. Marquedant  
Manager, Electrical Systems

5 April 2016

Date