



Certificate of Compliance

Certificate: 70197496 **Master Contract:** 151079 (053988_C_000)

Project: 70197496 **Date Issued:** 2018-12-19

Issued to: Endress+Hauser SE+Co. KG
Hauptstrasse 1
Maulburg, Baden-Württemberg 79689
GERMANY
Attention: Dr. Arno Götz

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: Anil Sodhi
Anil Sodhi

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - CERTIFIED TO U.S. STANDARDS

Ex ta/tc IIIC T105°C Da/Dc
Zone 20/22, AEx ta/tc IIIC T105°C Da/Dc

Capacitive point level switch for powder and fine grained bulk solids, model FTI26. Rated 12...30 Vdc, Output load max. 200 mA (one output) or 2x105 mA (two outputs), Power consumption max. 8W.

Ambient Temperature range -25°C to +70°C

Process temperature range -20°C to +75°C

Enclosure Type 4X/6P. Pressure 87psi



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Conditions of Acceptability:

1. Equipment to be supplied by a Class 2 source or limited energy source in accordance with 61010-1.
2. Under certain extreme circumstances, exposed plastic parts of the enclosure of models FTI26 may store an ignition capable of an electrostatic charge. Therefore, the user/installer shall implement provisions to prevent the buildup of electrostatic charge. The warning statement is given in the safety instruction manual “XA01821F”.
3. Input to equipment provided with an approved type 500 mA (slow-blow) which is suitable for DC current.
4. The equipment shall be grounded and secured upon installation in accordance with the requirements of CEC and NEC.
5. The final installation to the FTI26 device shall meet the requirements of CEC (for Canada) and NEC (for USA) for wiring method (including M12 connector) in Zone 22 and is subjected to acceptance of local authority having jurisdiction.
6. The M12 connector shall not be separated when energized. The warning statement is given in the safety instruction manual.
7. The external cable used for FTI26 device shall be rated for temperature at least Ta +20°C.

APPLICABLE REQUIREMENTS

CSA Standards	
CAN/CSA-C22.2 No. 60079-0:15	Explosive atmospheres — Part 0: Equipment — General requirements
CAN/CSA-C22.2 No. 60079-31:15	Explosive atmospheres — Part 31: Equipment dust ignition protection by enclosure "t"
CAN/CSA-C22.2 No. 61010-1-12	Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements
US Standards	
ANSI/UL-60079-0-2013	Explosive atmospheres – Part 0: Equipment – General Requirements
ANSI/UL-60079-31-2015	Explosive Atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure “t” (Edition 2)
UL Std. No. 61010-1 (3 rd Edition)	Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
70197496	2018-12-19	Issuance of cCSAus prime certificate for Level switch model FTI26 with Hazloc protection method Ex "t" Zone marking; Zone 20/22, AEx/Ex ta/tc IIC T105°C Da/Dc. Electrical Parameters: 12-30V dc, 200mA max.