



Certificate of Compliance

Certificate: 70034880

Master Contract: 151079

Project: 70168114

Date Issued: 2018-01-15

Issued to: Endress + Hauser GmbH + Co. KG
Hauptstrasse 1
79689 Maulburg
GERMANY
Attention: Mr. Andreas Steffan

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by: Josef Kellermeier
Josef Kellermeier

PRODUCTS

CLASS 2252 06 - PROCESS CONTROL EQUIPMENT

CLASS 2252 86 - PROCESS CONTROL EQUIPMENT-Certified to US Standards

Capacitive limit switch for liquids, model Liquipoint FTW23-***** (detailed in the report).
Rated: 10-30Vdc; max. load 200mA; 1.2W. Maximum operating temperature 100°C, maximum operating pressure 232 psi. FTW23-***M*** (Plug M12 plastic): IP65/67, FTW23-***N*** (Plug M12 metal): IP66/68/69K

Note: Device can be used in cleaning and sterilization processes up to 135 °C for 60 minutes. Due to heat transfer from the process, the temperature of the electronics housing and the assemblies contained therein may rise to 80°C during operation.



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Notes:

1. The above model is cord connected, Equipment is below the limits of 6.3.1, 6.3.2 and 9.4 of CAN/CSA-C22.2 No. 61010-1-12 and UL Std. No. 61010-1 (3rd Edition), Pollution Degree 2, Measurement Category I.

2. Mode of operation: Continuous

Environmental Conditions: Extended: -20 to +70°C (non condensing)
 Normal: up to 2000m (max)

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 61010-1-12 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements

UL Std. No. 61010-1 (3rd edition) - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements

CONDITIONS OF ACCEPTABILITY

- (1) The power source shall be certified and shall be below the limits of 6.3.1, 6.3.2 and 9.4 of: CAN/CSA-C22.2 No. 61010-1-12 and UL Std. No. 61010-1 (3rd Edition)
- (2) This equipment has not been evaluated for use in hazardous locations.
- (3) Equipment has only been tested for electrical safety. No evaluation of functional safety and performance characteristics has been conducted.
- (4) Equipment is not to be used with flammable liquids.
- (5) Equipment is only to be installed by manufacturer trained personnel.



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 |
|----------------|-------------|---|
| 70168114 | 2018-01-15 | Update to report number 70034880 due to addition of I/O-Link Electronic |
| 70034880 | 2015-06-19 | Original Certification of Capacitive limit switch for liquids, model Liquipoint FTW23-*****. To requirements of CAN/CSA-C22.2 No. 61010-1-12 and UL Std. No. 61010-1 (3rd Edition). |