



Certificate of Compliance

Certificate: 80191559 **Master Contract:** 151079
Project: 80191559 **Date Issued:** 2024-05-14
Issued to: Endress+Hauser SE+Co. KG
Hauptstrasse 1
Maulburg, Baden-Württemberg 79689
Germany
Attention: Armin Hummelbrumm

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:
Andreas von der Brellie
Andreas von der Brellie

PRODUCTS

Class 2252 06 PROCESS CONTROL EQUIPMENT - Process Control Equipment
Class 2252 86 PROCESS CONTROL EQUIPMENT - Certified to US Standards

Liquiphant Compact Line devices model FTL43 for industrial hygienic applications and FTL60 for industrial process applications are point level switch measurement device for liquids.

Model(s)	Electric Rating	Rated Voltage (VDC)
FTL43, FTL60	4...20mA HART: 700 mW	12-30 Vdc
	IO-Link: 8W	12-30 Vdc

- The above models are DC supplied (connected to mains via separately approved power supply unit, not part of this investigation):
Permanently connected, Pollution degree 2
Mode of operation: Continuous.
- Environmental Conditions: Extended (Specify): -40 °C to +85 °C, Altitude up to 5000 m, Rel. humidity: up to 100%,



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IP66/IP68/IP69, Type 4X, Type 6P, Indoor and outdoor use (wet location).

Process pressure for model FTL43: max. Vacuum to 64 bar.

Process pressure for model FTL60: max. Vacuum to 100 bar.

Model FTL43 and FTL60

Process temperature: max. -40 °C to +150 °C.

APPLICABLE REQUIREMENTS

CSA C22.2 No. 61010-1-12, UPD1:2015, UPD2:2016, AMD1:2018, UPD3:2023 - Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements - Third Edition; Update No. 1: July 2015; Update No. 2: April 2016; Update No. 3: June 2023

UL 61010-1 3rd ed (Rev. Jun 6, 2023) - UL Standard for Safety Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements - Third Edition; Reprint with Revisions Through and Including JUNE 6, 2023

Conditions Of Acceptability

1. The device may only be powered by a power supply unit with a limited energy electric circuit in accordance with CSA/UL/EN/IEC 61010-1:2010 chapter 6.3.1/6.3.2 and 9.4 or class 2 according to CSA 223/UL 1310.
2. Equipment has only been tested for electrical safety. No evaluations of functional safety and performance characteristics have been performed.
3. Equipment has only been tested for use in ordinary locations. No evaluations for use in hazardous locations have been performed.

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that



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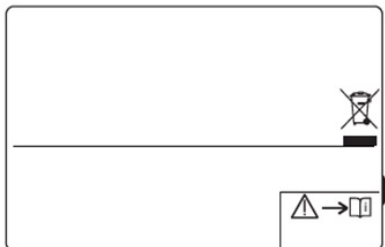
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products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

The following markings appear on the product:

1. Submitter's identification (company name and/or Master Contract and/or registered trade name);
2. Marking on the unit that indicates the manufacturing location if the equipment is manufactured at more than one factory location
Model designation.
3. Electrical rating.
4. Date of manufacture: Month and year of manufacture or date code. If a serial number is used instead of date of manufacture, a record of serial numbers shall be kept traceable to date of manufacture. (Not related to date of sale).
5. The products listed 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: , or , or .



Marking Label is only a DRAFT and not a final version.

Electrical ratings depending on model variant (refer to "Rating" in this document).



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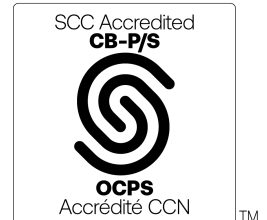
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Notes:

Products certified under Class(es) C225206 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





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
80191559	2024-05-14	Original cCSAus certification of Compact Line point level sensor models Liquiphant FTL43 and FTL60 based on CPC procedure.