



# Certificate of Compliance

**Certificate:** 70008849

**Master Contract:** 151079

**Project:** 70214154

**Date Issued:** 2019-03-05

**Issued to:** Endress+Hauser SE+Co. KG  
Hauptstrasse 1  
Maulburg, Baden Württemberg 79689  
GERMANY  
**Attention:** Detlef Ramin

*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 86** - PROCESS CONTROL EQUIPMENT - Certified to US Standards  
**CLASS 2252 06** - PROCESS CONTROL EQUIPMENT

Liquiphant, Point Level Switch, Types FTL31-CAbcdef+xx and FTL33-CAbcdef+xx; 2-wire AC/DC input rated 20-250Vac/dc, 50/60Hz, 0.85W, enclosure rated Type 4X/6P, switching capacity 250mA (where b = 1), or 3-wire DC-PNP input rated 10-30Vdc, 0.975W switching capacity 250mA (where b = 4).Electrical connection, Plug M12 (where c = M), cable(where c = S), Valve plug (where c = U,V,M) or M12 for FTL33 (where c = N). Sensor design 100°C process temp. (where d = 2) or 150°C (where d = 3).Type of sensor, compact version (where e = AA) or short tube (where e = BA).Sensor Type (where f = all other suffices may be variables not pertinent to the certification). The notation “+” may be used before the model designation to denote that an alternative equivalent model (bearing the equivalent Approval Mark as applicable), may be used. Equivalent means that the model has the equivalent mechanical and electrical characteristics and has no impact on the conformity of the product.



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**Condition of Certification:**

Devices where option code b = 4 are to be supplied by a Class 2 or energy limited source per CSA 61010-1-12.

**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 (Third Edition)

UL Std. No. 61010-1 (3<sup>rd</sup> Edition) - Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements (Third Edition)



## *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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
70214154	2019-03-05	Update report to 7008849 (2014-10-07) to cover additional I/O Link function.
70008849	2014-10-07	Original evaluation of liquiphant FTL3x limit switch under the CPC program for the C-US certification, Ordinary Location only.