



# Certificate of Compliance

**Certificate:** 80054888

**Master Contract:** 221913

**Project:** 80054888

**Date Issued:** September 8, 2020

**Issued To:** Pepperl+Fuchs SE  
Lilienthalstrasse 200  
Mannheim, 68307  
Germany

*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:** *Maria Gomes*  
Maria Gomes

## PRODUCTS

**CLASS 2258 04** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations  
**CLASS 2258 84** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations –  
Certified to US Standards

**Ex ia IIC T4 Ga**  
**Class I, Zone 0, AEx ia IIC T4 Ga**  
**IS Class I, Division 1, Groups A, B, C, D; T4**

Product	Microwave liquid level sensors Micropilot <b>LCR20*****C1**</b>
Electrical Rating	10.5-30 Vdc, 4-20 mA (2-wire HART)
Enclosure Rating	Type 4X/6P; IP66/68
Temp. code and ambient temperature	T4 -40 °C ≤ Tamb ≤ +80 °C
Process temperature and MWP	Max process temperature: + 80°C Maximum Working Pressure (MWP): 1 bar / 14.5 psi



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**CLASS 2258 03** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations

**CLASS 2258 83** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations– Certified to U.S. Standards

**Class I, Division 2, Groups A, B, C, D: T4, NIFW**

Product	Microwave liquid level sensors Micropilot <b>LCR20*****C3**</b>
Electrical Rating	10.5-30 Vdc, 4-20 mA (2-wire HART)
Enclosure Rating	Type 4X/6P; IP66/68
Temp. code and ambient temperature	T4 -40 °C ≤ Tamb ≤ +80 °C
Process temperature and MWP	Max process temperature: + 80°C Maximum Working Pressure (MWP): 1 bar / 14.5 psi

**CLASS 2258 02** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

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

**Class I, Division 2, Groups A, B, C, D; T4**

Product	Microwave liquid level sensors Micropilot <b>LCR20*****C3**</b>
Electrical Rating	10.5-30 Vdc, 4-20 mA (2-wire)
Enclosure Rating	Type 4X/6P; IP66/68
Temp. code and ambient temperature	T4 -40 °C ≤ Tamb ≤ +80 °C
Process temperature and MWP	Max process temperature: + 80°C Maximum Working Pressure (MWP): 1 bar / 14.5 psi

**CLASS 2252 06** - PROCESS CONTROL EQUIPMENT

**CLASS 2252 86** - PROCESS CONTROL EQUIPMENT – CERTIFIED TO U.S. STANDARDS

Product	Microwave liquid level sensors Micropilot <b>LCR10*****CG**</b>
Electrical Rating	10.5-30 Vdc, 4-20 mA (2-wire)
Enclosure Rating	Type 4X; IP66
Ambient temperature	-40 °C ≤ Tamb ≤ +60 °C
Process temperature and MWP	Max process temperature: + 60°C Maximum Working Pressure (MWP): 3 bar / 43 psi

Product	Microwave liquid level sensors Micropilot <b>LCR20*****CG**</b>
Electrical Rating	10.5-30 Vdc, 4-20 mA (2-wire)
Enclosure Rating	Type 4X/6P; IP66/68
Ambient temperature	-40 °C ≤ Tamb ≤ +80 °C
Process temperature and MWP	Max process temperature: + 80°C Maximum Working Pressure (MWP): 3 bar / 43 psi



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**APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 0-10	General Requirements – Canadian Electrical Code, Part II
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
CAN/CSA-C22.2 No. 60079-0:15	Explosive Atmospheres - Part 0: Equipment – General requirements
CAN/CSA-C22.2 No. 60079-11:14	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety “i”
ANSI/UL 61010-1:12 <i>Third Edition</i>	Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 1: General Requirements
ANSI/UL 60079-0:13 <i>Sixth Edition</i>	Explosive Atmospheres - Part 0: Equipment – General requirements
ANSI/UL 60079-11:14 <i>Sixth Edition</i>	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety “i”
CAN/CSA C22.2 No. 213-17	Non-incendive Electrical Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations
ANSI/UL 121201-2017 <i>Ninth Edition</i>	Non-incendive Electrical Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations

**MARKINGS**

Each unit shall bear all the required markings identified in the applicable certification report(s).  
Note: The Listee’s name and/or CSA file number shall replace the submittor’s equivalent information (where applicable).



## 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	Submittor Project	Submittor Models	Listee Models
80054888	September 8, 2020	151079-70105943	Endress+Hauser SE+Co KG FMR20-CA FMR20-CB FMR20-CC FMR10-CA	Pepperl+Fuchs SE LCR20*****CG** LCR20*****C1** LCR20*****C3** LCR10*****CG**