



Certificate of Compliance

Certificate: 2609701

Master Contract: 255629

Project: 70031692

Date Issued: August 14, 2015

Issued to: Kirchgaesser Industrieelektronik Gm

Am Rosenbaum 6

Ratingen, 40882

Germany

Attention: Michael Kuhrig

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.



Siros Ghanbarzadeh

Issued by: Siros Ghanbarzadeh

PRODUCTS

CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations -
Certified to US Standards

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class II, Div. 1, Groups E, F and G;

The microwave barrier FDR56 receiver/FQR56 emitter and the flow indicator FTR20, rated 85-253 Vac 50/60 Hz 4 VA or 20-60 Vdc 1.5 W, operation temperature -40°C to 70°C, ambient temperature -40°C to +70°C.

Note:

The maximum temperature of the enclosure shall not exceed 70°C due to service temperatures of the process fluid.



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APPLICABLE REQUIREMENTS

CSA Std. C22.2 No. 0-10 (R-2015)	- General Requirements - Canadian Electrical Code Part II
CSA Std. C22.2 No. 25-1966 (R-2014)	- Enclosures for Use in Class II Groups E, F, and G Hazardous Locations
CSA Std. C22.2 No. 142-M1987 (R-2014)	- Process Control Equipment Industrial Products
CAN/CSA Std. C22.2 No. 94-M91 (R-2011)	- Special Purpose Enclosures
IEC 60529 (2.2 Edition) 2013	- Degrees of Protection Provided by Enclosures (IP Code)
CAN/CSA-C22.2 No. 61010-1-12	- Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
UL 61010-1 (3rd Edition)	- Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
UL 1203 (5th Ed) (R2013)	- Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations.
UL Standard 916 (4th Ed) (R2014)	- Energy Management Equipment
ANSI/IEC 60529 (Edition 2.2) -2013	- Degrees of Protection Provided by Enclosures (IP Code)



Certificate of Compliance

Certificate: 2668182

Master Contract: 255629

Project: 80049112

Date Issued: 2021-09-28

Issued To: Kirchgaesser Industrieelektronik GmbH
Am Rosenbaum 6
Ratingen, North Rhine-Westphalia, 40882
Germany

Attention: Michael Kuhrig

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: Sam Zaffino
Sam Zaffino



PRODUCTS

CLASS - C225206 - PROCESS CONTROL EQUIPMENT Process Control Equipment

CLASS - C225286 - PROCESS CONTROL EQUIPMENT Certified to US Standards

The microwave barrier FDR56-xxxx transceiver /FQR56-xxx transmitter and the flow indicator FTR20-xxxx, rated 85-253 Vac 50-60 Hz, 9 VA or 20-60 Vdc/ 20-30Vac, 50-60Hz, 2.4W/4VA, relay contacts rated 250Vac 4A, 125Vdc 0.4A or 30Vdc 4A, rated ambient -40°C to +70°C, installation Category II.

Note: Model numbers are followed by suffix letters and numbers depicting model specifications.

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



Supplement to Certificate of Compliance

Certificate: 2668182

Master Contract: 255629

*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
80049112	2021-09-28	Update to Ord Loc report 2668182 to cover alternate enclosure, connectors and power supply circuitry.
2668182	2014-03-11	Original certification