



Certificate of Compliance

Certificate: 70045229

Master Contract: 168668

Project: 70159390

Date Issued: 2017-11-27

Issued to: Metso Flow Control
Vanha Porvoontie 229
Vantaa, 01380
FINLAND
Attention: Pasi Heikkinen

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: Amandeep Singh Khatra
Amandeep Singh Khatra

PRODUCTS

CLASS - C225804 - PROCESS CONTROL EQUIPMENT-Intrinsically Safe, Entity - For Hazardous Locations-
CLASS - C225884 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity-- For Hazardous Locations
- Certified to US Standards

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

Canada:

[Ex ia] IIC

IS Outputs: Class I, Division 1, Groups A, B, C, D

U.S.:

[AEx ia] IIC

IS Outputs: Class 1 Zone 0, Class I, Division 1, Groups A, B, C, D

Remote Communication Interface unit, RCI9H2: Ambient temperature range: $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$, having the following intrinsically outputs when connected per drawing number F68964

At the safe area side terminals POWER SUPPLY, SAFETY SIGNAL, TESTING STATUS, ALARM STATUS, HART AND PST START



Certificate: 70045229

Project: 70159390

Master Contract: 168668

Date Issued: 2017-11-27

$U_m = 253 \text{ V}$

At hazardous area side terminals SIGNAL TO VG

$U_o = 24.5 \text{ V}$

$I_o = 93.6 \text{ mA}$

$P_o = 595 \text{ mW}$

$C_o = 0.117 \text{ }\mu\text{F}$

$L_o = 4.29 \text{ mH}$

CONDITIONS OF ACCEPTABILITY

The equipment shall be located in either:

1. An unclassified location within an additional enclosure that provides protection against risk of fire to an appropriate standard/code of practice, eg UL 61010-1.
2. "Ex ia" associated equipment can be used in Class I, Division 1 if located in an explosion proof enclosure or equivalent protection.

Installation of the equipment shall be in accordance with the National Electrical code.

APPLICABLE REQUIREMENTS

Canadian Standards

CAN/CSA-C22.2 No. 0-10

CAN/CSA-C22.2 No. 60079-0:11
(IEC 60079-0:2007 5th Ed., MOD)

CAN/CSA-C22.2 No. 60079-11:14
(IEC 60079-11:2011 6th Ed., MOD)

General Requirements - Canadian Electrical Code Part II

Explosive atmospheres — Part 0: Equipment — General requirements

Explosive atmospheres — Part 11: Equipment protection by intrinsic safety "i"

US Standards

ANSI/UL Standard 913

ANSI/UL 60079-0:13, 6th Edition

ANSI/UL 60079-11:13, 6th Edition

Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations

Explosive Atmospheres - Part 0: Equipment - General Requirements

Explosive Atmospheres – Part 11: Electrical Protection by Intrinsic Safety "i"

Ordinary locations standards

CSA Standards:

CAN/CSA-C22.2 No. 61010-1-12

Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements

UL Standards:

UL Std. No. 61010-1 (3rd Edition)

Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements



Certificate: 70045229

Project: 70159390

Master Contract: 168668

Date Issued: 2017-11-27

MARKINGS

The following is marked:

- Manufacturers name – **Metso Flow Control Oy.**
- Model designation, as specified in the PRODUCTS section, above.
- Entity parameters and ratings, as specified in the PRODUCTS section, above.
- Ambient temperature range rating, as specified in the PRODUCTS section, above.
- Serial number that includes the year of manufacturer.
- Hazardous Location designation, as specified in the PRODUCTS section, above.
- The drawing number of the Control Drawing –**F68964 RCI9H2**
- The following warnings:
 - **Associated Apparatus – Locate in Unclassified Area within a suitable enclosure**
 - **Appareillage Connexe – Localiser dans non classes**
Substitution of Components may impair intrinsic safety
 - **Avertissement:- La Substitution de Composants peut compromettre la securite intrinseque.**



Supplement to Certificate of Compliance

Certificate: 70045229

Master Contract: 168668

*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
70159390	2017-11-27	Update report 70045229 to cover change of some components assessed under Issue 4 of SIRA13ATEX2026X i.e. report R70137503A.
70045229	2016-02-03	North American (C & US) certification of a Remote Communication Interface (Class I Div 1 & Class I Zone 0)