IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx LCI 11.0068X**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 3	Issue 2 (2017-04-07) Issue 1 (2017-02-28) Issue 0 (2012-01-03)
Date of Issue:	2024-10-30		

Applicant: **Relcom Inc.**
2221 Yew Street
Forest Grove
OR 97116
United States of America

Equipment: **Interconnection block for fieldbus, F200-IS Megablocks - Type: F***-IS-**-****

Optional accessory:

Type of Protection: **Ex ia**

Marking: FISCO Field Device or FISCO Terminator
Ex ia IIC T4 Ga
-50°C ≤ Tamb ≤ +70°C

(see attachment for full marking)

Approved for issue on behalf of the IECEx Certification Body: **Jérôme REYSSON**

Position: **Certification Officer**

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
Fontenay-aux-Roses FR-92260
France

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Manufacturing locations: **Relcom Inc.**
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This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

FR/LCIE/ExTR17.0027/00 FR/LCIE/ExTR24.0084/00

Quality Assessment Report:

FR/LCI/QAR06.0002/16

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The apparatus is a field bus interconnection block for an industrial plant. It is powered by intrinsic safety sources provided by a Fieldbus entity or a FISCO isolator. The input is the bus connection, the outputs feed Fieldbus devices.

(See attachment for full description)

SPECIFIC CONDITIONS OF USE: YES as shown below:
- The equipment must be only connected to a certified associated intrinsically safe equipment. This combination must be compatible as regards intrinsic safety rules (see intrinsic safety parameters).

- The equipment must be mounted inside an enclosure allowing to avoid electrostatic charging hazard.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- Normative update according to IEC 60079-0 Edition 7.0.
- Modification of references of components Q1, Q2, Q3, Q4.

Annex:

LCI 11.0068X - Issue 03 - Annex 01.pdf

Annex 01 to Certificate
IECEx LCI 11.0068X issue 03

FULL EQUIPMENT DESCRIPTION

The apparatus is a field bus interconnection block for an industrial plant. It is powered by intrinsic safety sources provided by a Fieldbus entity or a FISCO isolator. The input is the bus connection, the outputs feed Fieldbus devices.

Apparatus exists in three output configurations 4, 8 and 12 ports with same electrical schematic for each port.
Electronic board is mounted into plastic enclosure providing IP 20 minimum protection index.

MARKING

Relcom Inc. or EATON (trademark)
Address: …
Type: F***-IS-**-**
Serial number: …
Year of construction: …
FISCO Field Device or FISCO Terminator
Ex ia IIC T4 Ga
IECEx LCI 11.0068X
-50°C ≤ Tamb ≤ +70°C
Fiedbus entity: U_i: 24V; I_i: 250mA; P_i: 1.2W; C_i: 0nF; L_i: 0µH
FISCO: U_i: 17.5V; I_i: 380mA; P_i = 5.32W; C_i: 0nF; L_i: 0µH
Install per document 502-999

RANGE DETAILS

F*-IS - ** - ****

PC : Pluggable spring clamp connector		
6 : Maximum spur current 60mA		
Model :		
F245-IS	4 Ports	No terminator
F247-IS	4 Ports	Terminator
F251-IS	8 Ports	No terminator
F253-IS	8 Ports	Terminator
F269-IS	12 Ports	No terminator
F271-IS	12 Ports	Terminator

Terminator is a dynamic load for the fieldbus only necessary for the apparatus located at the extremity of the bus.

RATINGS

Apparatus can be powered by two different types of certified power supplies with following intrinsic safety parameters:
Entity parameters, linear resistive power supply: U_i: 24V; I_i: 250mA; P_i: 1.2W; C_i: 0nF; L_i: 0µH
FISCO application, non-linear power supply: U_i: 17.5V; I_i: 380mA; P_i = 5.32W; C_i: 0nF; L_i: 0µH

APPARATUS OVERVIEW

Following drawing is related to the 12 ports version of the equipment (4 and 8 ports versions are similar, smaller enclosures with the same width).