



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx LCI 11.0068X issue No.: 0 Certificate history: \_\_\_\_\_

Status: **Current**

Date of Issue: **2012-01-03** Page 1 of 3

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

Electrical Apparatus: **Interconnection block for field bus, types: F240 to F273**  
Optional accessory:

Type of Protection: **Intrinsic safety ia**

Marking: Relcom Inc.  
Address: ...  
Type: F240 to F273  
Serial number: ...  
Year of construction: ...  
FISCO Terminator or FISCO Field Device  
Ex ia IIC T4 Ga  
-45°C ≤ Tamb ≤ +70°C  
Entity parameters: Ui = 24 Vdc, Ii = 250 mA, Ci = 0, Li = 0, Pi = 1.2 W  
FISCO application: Ui = 17.5 Vdc, Ii = 380 mA, Ci = 0, Li = 0, Pi = 5.32 W  
IECEX LCI 11.0068 X

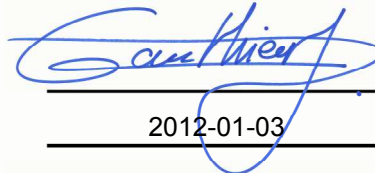
Approved for issue on behalf of the IECEx  
Certification Body:

Julien GAUTHIER

Position:

Certification Officer

Signature:  
(for printed version)



Date:

2012-01-03

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

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



LCIE



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Manufacturer: **Relcom Inc.**  
2221 Yew Street  
Forest Grove  
Oregon 97116  
**United States of America**

Manufacturing location(s):

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 electrical apparatus 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:

<b>IEC 60079-0 : 2007-10</b> Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
<b>IEC 60079-11 : 2006</b> Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-27 : 2005-04</b> Edition: 1.0	Electrical apparatus for explosive atmospheres- Part 27: Fieldbus intrinsically safe concept (FISCO) and Fieldbus non-incendive concept (FINCO)

*This Certificate **does not** indicate compliance with electrical 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 Report:

[FR/LCI/ExTR11.0082/00](#)

#### Quality Assessment Report:

[FR/LCI/QAR06.0001/04](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

Apparatus is an interconnection block "Megablock", for field bus system.

Apparatus is produced in several versions depending on:

- Number of ports: 2, 4, 8, 10 or 12.
- Current limiting: SpurGuard, Smart SpurGuard or nothing.
- Termination: IS terminator, switchable IS terminator or no terminator.

Apparatus has two different intrinsic parameters depending on the type of power supply by SI barrier or FISCO network.

### CONDITIONS OF CERTIFICATION: YES as shown below:

- Ambient temperature range: -45°C to +70°C.
- The equipment must be mounted inside an enclosure with a minimum protective degree IP20.
- The apparatus must be only connected to intrinsically safe certified apparatus.

These combination must be compatible as regards the intrinsic safety rules.

Following intrinsic parameters must be respected:

Entity parameters:  $U_i = 24$  Vdc,  $I_i = 250$  mA,  $C_i = 0$ ,  $L_i = 0$ ,  $P_i = 1.2$  W

FISCO application:  $U_i = 17.5$  Vdc,  $I_i = 380$  mA,  $C_i = 0$ ,  $L_i = 0$ ,  $P_i = 5.32$  W