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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx DEK 16.0036U**

Certificate history:
Issue 1 (2016-10-31)
Issue 0 (2016-08-02)

Status: **Current**

Issue No: 2

Date of Issue: 2024-02-08

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

Ex Component: Fieldbus XE Megablock and Terminator type F2**-XE

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Ex e m**

Marking: Ex eb mb IIC T4 Gb

Approved for issue on behalf of the IECEx Certification Body: **R. Schuller**

Position: **Certification Manager**

Signature: (for printed version)

Date: (for printed version) 2024-02-08

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:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands

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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 component 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 60079-18:2017 Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 component listed has successfully met the examination and test requirements as recorded in:

Test Report:

NL/DEK/ExTR16.0046/02

Quality Assessment Report:

FR/LCI/QAR06.0002/15

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Ex Component(s) covered by this certificate is described below:

The XE Megablock Models F244-XE through F273-XE are DIN rail mounted passive hubs for Foundation Fieldbus networks. They provide up to 12 spur connectors to the Fieldbus segment and 2 trunk connectors that allow the Fieldbus segment to be expanded. The spur connectors may be provided with current limiting SpurGuards.

The XE Megablock Terminator Type FCS-MBT-XE is a DIN rail mounted terminator for Fieldbus networks that also includes some surge protection.

XE Megablock Models F244-XE through F273-XE and XE Megablock Terminator Type FCS-MBT-XE shall be installed in a suitable enclosure in type of protection increased safety “e”.

For more information about type designation and electrical data see Annex 1.

SCHEDULE OF LIMITATIONS:

When installed in potential explosive atmospheres, the Fieldbus XE Megablock and Terminator shall be installed into an enclosure which meets the recognized type of protection in accordance with IEC 60079-0.

When used within the rated temperature range of -45 °C to +70 °C, a temperature class of T4 can be given.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
- Assessed per IEC 60079-0 Ed. 7, IEC 60079-7 Ed. 5.1 and IEC 60079-18 Ed. 4.1

Annex:

227833000-Annex 1 to ExTR16.0046.02_1.pdf