



# 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 DEK 16.0036X Issue No: 1 Certificate history:  
Status: Current Page 1 of 4 Issue No. 1 (2016-10-31)  
Date of Issue: 2016-10-31 Issue No. 0 (2016-08-02)

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

Equipment: **Fieldbus XE Megablock and Terminator**  
*Optional accessory:*

Type of Protection: **Ex e m**

Marking: Ex eb mb IIC T4 Gb

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

R.H.D. Pommé

*Position:*

Certification Manager

*Signature:  
(for printed version)*

*Date:*

2016-10-31

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](#).

Certificate issued by:

**DEKRA Certification B.V.**  
Meander 1051,  
6825 MJ Arnhem  
The Netherlands





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

Additional 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 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-18 : 2014</b> Edition:4.0	Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"
<b>IEC 60079-7 : 2015</b> Edition:5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*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:

NL/DEK/ExTR16.0046/00      NL/DEK/ExTR16.0046/01

#### Quality Assessment Report:

FR/LCI/QAR06.0002/07



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## Schedule

### EQUIPMENT:

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

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".

Ambient temperature range: -45 °C to +70 °C

For model code and electrical data see Annex 1 to Certificate of Conformity IECEx DEK 16.0036X, issue no. 1.

**CONDITIONS OF CERTIFICATION: YES as shown below.**

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



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):**

Issue 1:

Addition of national differences ATEX

**Annex:**

[219468300-Annex 1 to-IECEx DEK 16.0036X\\_iss1-NL\\_DEK\\_ExTR12.0046\\_01-KEMA 05ATEX2003 X\\_iss3.pdf](#)

**Annex 1 to Certificate of Conformity IECEx DEK 16.0036X, issue no. 1**  
**Annex 1 to IECEx Test Report NL/DEK/ExTR16.0046/01**  
**Annex 1 to EU-Type Examination Certificate KEMA 05ATEX2006 X, issue no. 3**

Note: In this document [.] is used as decimal separator.

**Description**

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**Model code**

XE Megablock Model code			
	No SpurGuard	With SpurGuard	Smart SpurGuard
<b>4 – Port</b>			
No Terminator	F244-XE	F245-XE	F262-XE
Terminator	F246-XE	F247-XE	F263-XE
Switchable Terminator	F248-XE	F249-XE	F264-XE
<b>8 – Port</b>			
No Terminator	F250-XE	F251-XE	F265-XE
Terminator	F252-XE	F253-XE	F266-XE
Switchable Terminator	F254-XE	F255-XE	F267-XE
<b>10 – Port</b>			
No Terminator	F256-XE	F257-XE	--
Terminator	F258-XE	F259-XE	--
Switchable Terminator	F260-XE	F261-XE	--
<b>12 – Port</b>			
No Terminator	F268-XE	F269-XE	--
Terminator	F270-XE	F271-XE	--
Switchable Terminator	F272-XE	F273-XE	--
Options to the model codes:			
For current limit of SpurGuards (SG):			
	-3:	30 mA	
	-5:	50 mA	
	-6:	60 mA	
For connectors:			
	-PC:	Spring Clamp Connectors	
	-PC-J:	Green Spring Clamp Connectors.	

**Electrical data**

Rated voltage: 30 Vdc  
 Rated current: 1.5 A