

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **KEMA 05ATEX2006 X** Issue Number: **3**

(4) Product: **Fieldbus XE Megablock and Terminator**

(5) Manufacturer: **Relcom Inc.**

(6) Address: **2221 Yew Street, Forest Grove, OR 97116, USA**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number NL/DEK/ ExTR16.0046/01.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2012 + A11 : 2013

EN 60079-7 : 2015

EN 60079-18 : 2015

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 2 G Ex eb mb IIC T4 Gb

Date of certification: 31 October 2016

DEKRA Certification B.V.

R.H.D. Pommé
Certification Manager

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 05ATEX2006 X**

Issue No. 3

(15) **Description**

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 EU-Type Examination Certificate KEMA 05ATEX2006 X, issue no. 3.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ ExTR16.0046/01.

(17) **Specific condition of use**

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 EN 60079-0.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ ExTR16.0046/01.

(20) **Certificate history**

Issue 1 - 207624200	initial certificate
Issue 2 - 217004700	minor changes to the construction
Issue 3 - 219468300	assessment to the latest editions of the applicable standards report reference changed

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
4 – Port			
No Terminator	F244-XE	F245-XE	F262-XE
Terminator	F246-XE	F247-XE	F263-XE
Switchable Terminator	F248-XE	F249-XE	F264-XE
8 – Port			
No Terminator	F250-XE	F251-XE	F265-XE
Terminator	F252-XE	F253-XE	F266-XE
Switchable Terminator	F254-XE	F255-XE	F267-XE
10 – Port			
No Terminator	F256-XE	F257-XE	--
Terminator	F258-XE	F259-XE	--
Switchable Terminator	F260-XE	F261-XE	--
12 – Port			
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