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# ATEX Safety Instructions

F244-XE - F273-XE  
FCS-MBT-XE

# **XE Megablock Series**

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The following information is in accordance with the Essential Health and Safety Requirements (Annex II) of the EU Directive 2014/34/EU [the ATEX Directive - safety of apparatus] and is provided for those locations where the ATEX Directive is applicable.

## **General**

- a) In common with all other electrical apparatus installed in hazardous areas, this apparatus must only be installed, operated and maintained by competent personnel. Such personnel shall have undergone training, which included instruction on the various types of protection and installation practices, the relevant rules and regulations, and on the general principles of area classification. Appropriate refresher training shall be given on a regular basis. [See clause 4.2 of EN 60079-17].
- b) This apparatus meets the requirements of electrical apparatus in accordance with EN 60079-0, EN 60079-7, and EN 60079-18.
- c) This apparatus provides protection against all the relevant additional hazards referred to in Annex II of the directive, such as those in clause 1.2.7.

## **Installation**

- a) The installation must comply with the appropriate European, national and local regulations, which may include reference to the IEC code of practice IEC 60079-14. In addition, particular industries or end users may have specific requirements relating to the safety of their installations and these requirements should also be met. For the majority of installations the Directive 1999/92/EC [the ATEX Directive - safety of installations] is also applicable.
- b) This apparatus is an electrical apparatus and is normally mounted in a hazardous area. When mounted in a Zone 1 or Zone 2 location the apparatus must be installed within an Increased Safety (Ex e) rated enclosure.
- c) This apparatus must not be subjected to mechanical and thermal stresses in excess of those permitted in the certification documentation, this safety information and the product specification. The product must be protected by an enclosure to prevent physical damage.
- d) The apparatus must not be installed in a position where it may be attacked by aggressive substances and must be protected from excessive dust, moisture and other contaminants by the enclosure.
- e) Galvanic Isolation and Electronic Current Limitation must be provided by the Fieldbus Power Supply.

## **Inspection and maintenance**

- a) Inspection and maintenance should be carried out in accordance with European, national and local regulations which may refer to the IEC standard IEC 60079-17. In addition, specific industries or end users may have specific requirements which should also be met.
- b) Access to the internal circuitry must not be made during operation or at any other time.
- c) If the outer enclosure of the apparatus needs to be cleaned, this should be done with a cloth lightly moistened by a dilute mixture of detergent in water.

## **Marking**

Each XE Megablock is marked with the following information:

- a) Company Logo, Name, and Address (shown below)
- b) Product Number
- c) Certificate number – **KEMA 05ATEX2006X**
- d) Ex classification – **II 2 G Ex eb mb IIC T4 Gb**
- e) CE mark and Notified Body Number (LCIE) – **0081**
- f) Safety Description parameters – **Ui ≤ 30V, Ii ≤ 1.5A**
- g) Ambient Temperature range – **-45C ≤ Tamb ≤ 70C**
- h) Safety Warning – **Explosion Hazard. Shut off all power before (dis)connecting.**

## **Special Conditions of Safe Use**

The XE Megablock and Terminator **MUST** be mounted in an IP54 (minimum) 'Ex e' rated enclosure.

**Repair** - This product must not be repaired. It must be replaced by an equivalent certified product.



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## Increased Safety Control Drawing

