

The following information is in accordance with the Essential Health and Safety Requirements (Annex II) of the EU Directive 94/9/EC [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 50014 and EN 50020. The apparatus also meets the requirements of the newer harmonized standards EN 60079-0 and EN 60079-11 as there is no technological difference in the standards when applied to this apparatus.
- 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 (Zone 1 or 2). It must be mounted in an enclosure with an IP54 or better rating according to EN 60529.
- 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.

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.

Repair

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

Marking

Each IS Megablock is marked with the following information:

- a) Company Logo, Name, and Address (shown below)
- b) Product Number
- c) Certificate number – **KEMA 03ATEX1555 X**
- d) Ex classification – **II 2 G Ex ia IIC T4**
- e) CE mark and Notified Body Number (LCIE) – **0081**
- f) Ambient Temperature range - **-45C ≤ Tamb ≤ 70C**

Special Conditions for Safe Use

All information necessary for safe use of the IS Megablocks is contained in this document – including the following drawing.

IS Megablock ATEX Intrinsic Safety Control Drawing (Entity and FISCO)

