

(1) EC-TYPE EXAMINATION CERTIFICATE

(2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC

(3) EC-Type Examination Certificate Number: **KEMA 10ATEX0145 X** Issue Number: **1**

(4) Equipment: **Position Monitoring Switch type ITS3.. and type ITS5..**

(5) Manufacturer: **i-Tork Controls Ltd.**

(6) Address: **74-6, Chunui-Dong, Wonmi-Gu, Bucheon Si, Gyeonggi-Do, Korea**

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

(8) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems 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 213711500.

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

EN 60079-0 : 2006

EN 60079-1 : 2007

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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



II 2 G Ex d IIC T6

This certificate is issued on December 17, 2010 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

KEMA Quality B.V.

C.G. van Es
Certification Manager

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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 10ATEX0145 X** Issue No. 1

(15) **Description**

Position Monitoring Switch type ITS3.. and type ITS5.. is used for visual indication of quarter turn rotating equipment. Optionally various electrical signals are provided.

The enclosure material of type ITS3.. is aluminium.

The enclosure material of type ITS5.. is stainless steel

Ambient temperature range: -20 °C to +60 °C.

Electrical data

Power supply: 24/125/240/250 Vac 50/60 Hz, 480 Vac 50/60 Hz
8 Vdc, 12 – 24 Vdc, 50 – 60 Vdc, 125/250 Vdc

Installation instructions

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

(16) **Test Report**

KEMA No. 213711500.

(17) **Special conditions for safe use**

- For details on the flamepaths, the manufacturer shall be contacted.
- Fasteners with property class A2-50 shall be used
- Potential electrostatic charging hazard – see instructions

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 213711500.