

(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 08ATEX0080** Issue Number: 1

(4) Equipment: **Limit Switch Series VCX-7000 and Series VCX-7000 M**

(5) Manufacturer: **Yamatake Corporation, Fujisawa Techno Center**

(6) Address: **1-12-2 Kawana, Fujisawa Kanagawa, 251-8522, Japan**

(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 210040000.

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

EN 60079-0 : 2006

EN 60079-1 : 2007

EN 60079-7 : 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 de IIC T6

This certificate is issued on October 10, 2008 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.


T. Pijpker
Certification Manager



(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 08ATEX0080**

Issue No. 1

(15) **Description**

The Limit Switch series VCX7000 and series VCX-7000 M consists of an aluminium enclosure with a flameproof switch. The switch contains two independent SPDT circuits. Operation of the switch contacts is initiated by the movement of the lever.

The enclosure provides a degree of protection IP67 in accordance with EN 60529.

Ambient temperature range -10 °C to +60 °C.

Electrical data

Max. switch ratings	250 Vac, 5 A
	125 Vdc, 0.4 A
	250 Vdc, 0.2 A
	125 Vac, 0.1 A
	30 Vdc, 0.1 A

Installation instructions

The degree of protection of at least IP54 to EN 60529 is only achieved if an Ex e certified cable gland is used that is suitable for the application and correctly installed.

Routine tests

Each limit switch must be subjected to the dielectric strength test according to EN 60079-7, clause 7.1. No dielectric breakdown shall occur.

(16) **Test Report**

KEMA No. 210040000.

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

None.

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 210040000.