

(1) **EC-TYPE EXAMINATION CERTIFICATE**

(2) Equipment or protective system intended for use in potentially explosive atmospheres – Directive 94/9/EC

(3) EC-Type Examination Certificate Number: **KEMA 01ATEX2111 X**

(4) Equipment or protective system: **Limit Switch Series CX**

(5) Manufacturer: **Honeywell Sensing and Control**

(6) Address: **11309 Chetlain lane, Galena, Illinois 61036, USA**

(7) This equipment or protective system 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 or protective system 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 report no. 2011356.

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

EN 50014 : 1997

EN 50018 : 2000

EN 50281-1-1 : 1998

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system 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 or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

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



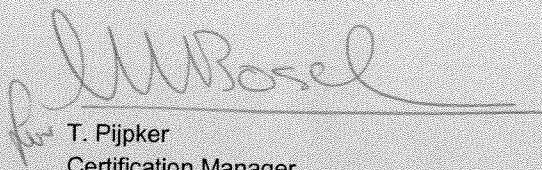
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EEx d IIC T6

T 85 °C

Arnhem, 20 September 2001

KEMA Quality B.V.


 T. Pijker
 Certification Manager

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(13)

SCHEDULE

(14)

to EC-Type Examination Certificate KEMA 01ATEX2111 X

(15) **Description**

Limit Switch Series CX made of aluminium. The switch can be provided with a plunger actuation housing or a rotary shaft actuation housing.

Electrical data

Power Supply max. 480 V, 20 A

Installation instructions

For ambient temperatures above 60 °C, cables and cable glands suitable for a temperature of at least 80 °C shall be used.

For use in potentially explosive atmospheres caused by the presence of flammable gases, fluids or vapours:

The cable entry devices and the closing elements of unused apertures shall be of a certified flameproof type, suitable for the conditions of use and correctly installed.

For use in potentially explosive atmospheres caused by the presence of combustible dust:

The cable entry devices and the closing elements of unused apertures shall be of a certified flameproof type, suitable for the conditions of use and correctly installed. The minimum ingress protection requirement of IP 6X according to EN 60529 must be satisfied.

(16) **Report**

KEMA No. 2011356.

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

Ambient temperature range -40 °C ... +70 °C.

The maximum surface temperature of the enclosure T 85 °C is referred to a maximum ambient temperature of 70 °C.

(13)

SCHEDULE

(14)

to EC-Type Examination Certificate KEMA 01ATEX2111 X

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

Essential Health and Safety Requirements not covered by the standards listed at (9)	
Clause	Subject
1.0.5	Marking
1.0.6 b)	Instructions

These Essential Health and Safety Requirements are examined and positively judged. The results are laid down in the report listed at (16).

(19) **Test documentation**

		<u>dated</u>
1.	Instructions PK 88136 rev. 2	16.08.2001
2.	Drawing No. CX series chart 1. rev. 3)	
	<i>CX-20268</i> - Sketch 33442A rev. 3)	
	<i>CX-20267</i> - Sketch 32157A rev. 7)	16.08.2001
	<i>CX-20269</i> - Sketch 33742A rev. 1)	
	LS-22164 rev. 1)	
	CX-20076 rev. 6)	14.11.1997
3.	Samples	



AMENDMENT 1

to EC-Type Examination Certificate KEMA 01ATEX2111 X

Manufacturer: **Honeywell Sensing and Control**

Address: **11 West Spring Street, Freeport, IL 61032, USA**

Description

The Limit Switch Series CX may also be constructed in accordance with the test documentation listed below.

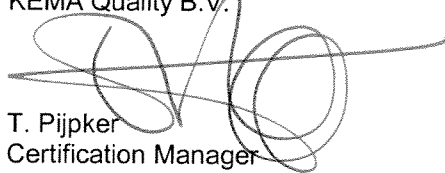
The changes concern the update of the documentation.

All other data remain unchanged.

Test documentation

	<u>dated</u>
1. Instructions PK 88136, rev. 5	--
2. Drawing No. CX SERIES CHART 1, rev. 4	10.01.2006
CX-20268, rev. 1	05.11.2001
CX-20267, rev. 2	31.03.2005
CX-20269, rev. 1	09.11.2001
LS-22164, rev. 2	16.11.2001

Arnhem, 24 April 2006
KEMA Quality B.V.



T. Pijpker
Certification Manager



Amendment 2

to EC-Type Examination Certificate KEMA 01ATEX2111 X

Issue No. 1

Manufacturer: **Honeywell Sensing and control**

Address: **11 West Spring Street, Freeport, IL 61032, USA**

Description

The Limit Switch Series CX may also be constructed in accordance with the test documentation listed below.

The changes concern the update of the documentation.

All other data remain unchanged.

Electrical data

Unchanged.

Installation instructions

Unchanged.

Routine tests

Unchanged.

Test Report

KEMA No. 2097354.

Special conditions for safe use

Unchanged.

Essential Health and Safety Requirements

Unchanged.



Amendment 2

to EC-Type Examination Certificate KEMA 01ATEX2111 X

Issue No. 1

Test documentation

	<u>dated</u>
1. Instructions PK88136, issue 6 (8 pages)	07.11.2006
2. Drawing No. CX Series Chart 1, rev. 5	24.08.2006
CX-20076, issue 7, rev. B	24.08.2006
CX-20267, rev. 3	24.08.2006
CX-20268, rev. 2	24.08.2006
CX-20269, rev. 2	24.08.2006
LS-22164, rev. 3	25.08.2006

Arnhem, 14 November 2006
KEMA Quality B.V.

H.J.G. de Wild
Certification Manager