



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX TSA 06.0003X** Issue No.: **0**

Status: **Current**

Date of Issue: **2006-07-10** Page 1 of 4

Applicant: **Honeywell International**
11 West Spring Street
Freeport IL 61036
United States of America

Electrical Apparatus: **Series CX Snap Switch**
Optional accessory:

Type of Protection: **Ex d, or Ex tD**

Marking: **CX Series - Snap Switch**
Ex d IIC IP66 / IP67 T6 (-40 C < Ta < +70 C), or
Ex tD A21 IP66 T85 Deg. C (-40 C < Ta < +70 C)
Honeywell International
IECEX TSA 06.0003X
S/N : _____

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*Approved for issue on behalf of the IECEx
Certification Body:*

Ujen Singh

Position:

Quality & Certification Manager

*Signature:
(for printed version)*

Date:

10 JULY 2006

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

TestSafe Australia
919 Londonderry Road
Londonderry NSW 2753
Australia





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Manufacturer: **Honeywell International**
11309 Chetlain Lane
Galena IL 61036
United States of America

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacture's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

AU/TSA/ExTR06.0003/00

Quality Assessment Report:

AU/TSA/QAR06.0003/00

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

A "CX" Series of Snap Switch is made of die cast aluminium alloy and it consists of a common base and up to 2 different length covers. The base forms a threaded joint with the cover and provides 2 threaded entries for external connection with either M25 or 3/4" NPT threads. The CX Snap switch is available with 2 type of switching mechanism: either rotating rod or plunger type. Both type employ a similar flamepath construction of operating rod and bush. The switches are available with current rating up to 20 A for SPDT units and up to 10 A for DPDT units. All rotating model have either clockwise or anti-clockwise operation with or without spring returning shaft position to the centre. The two housing sizes are Short and Long, and they can house up to two or four switches respectively. Alternatively, a 4- 20 mA analog output is available for position sensing application, in which case a dc power supply of 12.5 – 40 V must be configured for a maximum load resistance. Buna O-ring is used for ingress protection.

CONDITIONS OF CERTIFICATION: YES as shown below:

- 1- It is a condition of safe use that the maximum diametral clearance of the cylindrical joint between the shaft and the bearing in the rotary shaft actuation model is 0.101 mm.
- 2- It is a condition of safe use that the maximum diametral clearance between the plunger and the bearing in the plunger actuation model is 0.084 mm.
- 3- Each CX Snap Switch shall be supplied with an installation manual.

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Additional information:

Drawing list is attached in the Annexe

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Drawing List

Drawing No.	Drawing Title	Revision	Date (dd/mm/yy)
0019106	CX Series Chart 1	4	10/01/06
CX-20049	Seal, Ring	A	14/06/02
CX-20076	Nameplate, Rigid	A	--/11/97
CX-20269	Nameplate, Flexible	1	09/11/01
LS-22164	Nameplate, Flexible	2	16/11/01
50016892	Label, Flexible	C	22/06/06
50019905	Nameplate, Flexible	A	28/06/06