



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:** ITS14ATEX88093X

4. **Equipment or Protective System:** Captured Proximity Switch

5. **Manufacturer:** Compressor Productions International

6. **Address:** 4410 Greenbriar Drive, Stafford, TX 77477, USA

7. This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8. Intertek Testing and Certification Limited, notified body number 0359 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 Intertek Report 1101138202DAL-001, Dated 27 October 2014 (UK G101519911).

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with standards EN 60079-0:2012, EN 60079-18:2009 except in respect of those requirements referred to an item 16 of the Schedule.

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.

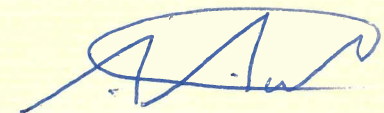
11. This EC Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12. The marking of the equipment or protective system shall include the following:-

 II 2 G Ex mb IIC T4 Gb
-20°C ≤ T_A ≤ +80°C

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Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.



A T Austin
Certification Officer
31st October 2014

This certificate may only be reproduced in its entirety and without any change, schedule included and is subject to Intertek Testing and Certification's Conditions for Granting Certification.

SCHEDULE

EC-TYPE EXAMINATION CERTIFICATE NUMBER ITS14ATEX88093X

13. **Description of Equipment or Protective System**

Captured Proximity Switch is a stand-alone device which contains a sensing reciprocating magnetic rod actuated by lubricant flow cycles powered by 250VDC/120VAC, 0.5A. This device relies on encapsulation "mb" protection.

14. **Report Number**

Intertek Report Ref: 1101138202DAL-001, Dated 27 October 2014.

15. **Conditions of Certification**

(a). Special Conditions for safe use

1. Max overload protection of 0.5A must be provided to the circuits by the end use installer. Where a fuse is used as the overload protection device, the fuse must be rated no more than 0.29A. The overload protection device must be rated for prospective short circuit current matching that of the supply circuit.
2. The conductor connected to the external terminal must be of Cu composition, as required by the installation code.
3. The flying leads must be adequately protected from damage using an appropriately ATEX certified cable entry device and conduit providing IP54 or better, as required by the installation conditions, and be rated for the ambient temperature range $-20^{\circ}\text{C} < T_a < +80^{\circ}\text{C}$. The flying leads shall be terminated within a suitable certified terminal enclosure in accordance with a suitable protection concept for the hazardous area that the equipment is installed within. Any un-used conductors shall be terminated at terminals. The electrical connections shall be made in accordance with the manufacturer's instructions and national installation regulations (i.e. EN 60079-14 and EN 60079-17).
4. The external earth / ground conductor must be suitably secured to the equipment grounding terminal to ensure no loosening or twisting via such means as saddle/spring washer, crimp lug, or equivalent means.

(b). Conditions of Manufacture

1. Each piece of "m" equipment shall be subjected to a visual inspection, where no damage to the encapsulation shall be evident.
2. Each piece of equipment shall undergo a dielectric strength test at 2100VDC for at least 1s.

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16. Essential Health and Safety Requirements (EHSR's)

The relevant EHSR's have been identified and assessed in Intertek Report 1101138202DAL-001, Dated 27 October 2014.

17. Drawings and Documents

Title	Drawing No.:	Rev. Level:	Date:
Captured Proximity Switch User Instructions	650150000XXXXX_AEN	1	27-Aug-2014
PROXIMITY SWITCH ENGRAVING ARTWORK DRAWING	INFO-2038	1	23-Oct-2014
MECH CUSTOM, CPI PFJR PROXIMITY ASM	40-1290-PROX	3	21-Apr-2014
MECH CUSTOM, CPI PFJR, PROXIMITY HSG	HD-MISC-2571	1	21-Apr-2014
PROXIMITY SWITCH ENCAPSULATION CONTROL	INFO-2039	1	02-May-2014
BOM, Assy System, CPI Proximity Switch	40-1290-R3	3	02-May-2014
MECH CUSTOM, CPI PFJR, PROXIMITY HSG	40-1290	2	02-May-2014
PROXIMITY SENSOR MAGNET ASSEMBLIES	20-1289-PROX	6	12-Mar-2014
MECH CUSTOM, PROXIMITY SENSOR SPRING SPACER	HD-CUST-2003	4	05-Mar-2014
MECH CUSTOM, PROXIMITY SENSOR ACTUATOR SPACER	HD-CUST-2004	4	05-Mar-2014
MECH CUSTOM, PROXIMITY SENSOR MAGNET HSG - TRABON	HD-CUST-2005	6	12-Mar-2014
MECH CUSTOM, PROXIMITY SENSOR MAGNET HSG - DROPSA	HD-CUST-2006	6	12-Mar-2014
MECH CUSTOM, PROXIMITY SENSOR MAGNET HSG - LINCOLN	HD-CUST-2007	6	12-Mar-2014

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