UK-TYPE EXAMINATION
CERTIFICATE

Product or Protective Systems Intended for Use in Potentially Explosive Atmospheres

UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

1. **UK-Type Examination Certificate Number:** **ITS23UKEX0734X** **Issue 00**

2. **Product:** Proflo Cycle Switch

3. **Manufacturer:** Compressor Productions International

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

5. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

6. Intertek Testing and Certification Limited, Approved Body number 0359, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

   The examination and test results are recorded in the confidential report 105400238DAL-003.

7. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0: 2018, EN 60079-18: 2015/A1:2017 except in respect of those requirements referred to within item 14 of the Schedule.

8. If the sign “X” is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.

9. This UK-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

10. The marking of the product shall include the following:



II 2G Ex mb IIC T4 Gb

-40°C ≤ Ta ≤ +60°C

Certification Officer: Kevin J. Wolf **Date:** 20 Ocotber 2023

Kevin J. Wolf

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. This Certificate is accredited under UKAS schedule 0010
Intertek Testing & Certification Limited, Cleeve Road, Leatherhead, Surrey, KT22 7SA
Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.

SCHEDULE:

UK-Type Examination Certificate Number: ITS23UKEX0734X Issue 00

11. Description of Product or Protective System

Proflo Cycle 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 purely on encapsulation “mb” protection.

12. Report Number

Intertek Report: 105400238DAL-003 Dated: 2023-08-09.

13. Special Conditions of Certification

(a). Special Conditions of Use

1. Maximum overload protection of 0.5A must be provided to the circuits by the installer. When 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 short circuit current matching that of the supply circuit.
2. The conductor connected to the external terminal must be Copper (Cu).
3. The flying leads must be protected by ATEX certified cable entry devices, conduit, terminal blocks and Enclosures with an IP54 or better ingress protection rating. Any un-used conductors shall be terminated in terminals.
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 - Routine Tests

• Each piece of “m” equipment shall be subjected to a visual inspection, where no damage to the encapsulation shall be evident.

• Each piece of equipment shall undergo a dielectric strength test at 2100VDC for at least 1s.

14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 105400238DAL-003 Dated: 2023-08-09.

15. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
PROFLO CYCLE SWTICH	65004000000PFCS-ASD	A	08/03/2023
MAGNET ASSEMBLY	65004000095775X-ASD	A	07/14/2023

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Instruction Manual proflo cycle switch	650150000096033-ASD	B	October 2023
Assy Dwg TOP PCB CPI Cycle Switch	PCB022-RA-ASSY-TOP	A	08/03/2023
Assy Dwg BOT PCB CPI Cycle Switch	PCB022-RA-ASSY-BOT	A	08/03/2023
Bill of Materials	15-1585-RA	A	08/03/2023
Fab Dwg CPI Cycle Switch	PCB022-RA-FAB	A	08/03/2023
CPI Cycle Switch	PCB022-RA-SCH	A	08/03/2023

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