EU-TYPE EXAMINATION
CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

1. **EU-Type Examination Certificate Number:** **ETL23ATEX0307X** **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 Services NA Ltd., Notified Body number 2903 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the 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 Annex II of the Directive.
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 EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive 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 Octoebr 2023

Kevin J. Wolf

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SCHEDULE:

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11. Description of Equipment 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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