



DESCRIPTION

The captured proximity switch, a single pole single throw magnetically operated reed switch, sends a dry contact signal to any PLC-style control panel or directly to the lubrication monitor, such as the Proflo® PF2 monitoring device.

FEATURES

- Send Signal to Proflo PF2 or Control Panel
- Operating Temperature Range -40°C to +60°C
- Hazardous Location Certified
- Works with CPI, Dropsa*, Lincoln* and Graco* Divider Blocks

REPLACEMENT PART NUMBERS

Proflo PF2 Part No.

CPI Part No.	Description
6500400000PFCS	Proflo Cycle Switch

Magnet Housing Assembly Part No.

CPI Part No.	Description
65004000095775T	Magnet Housing, Trabon* (CPI , Graco, Sloan)
65004000095775D	Magnet Housing, Dropsa* (SMX)
65004000095775L	Magnet Housing, Lincoln*

CERTIFICATIONS & RATINGS

PROFLO CYCLE SWITCH CONFORMS TO THE FOLLOWING STANDARDS:

- EN IEC 60079-0: 2018, EN 60079-18:2015+A1
- UL 60079-0:2019 ED.7+R:15APR2020, UL 60079-18:2015 ED.4+R:07FEB2019, UL 61010-1:2012 ED.3+R:19JUL2019

PROFLO CYCLE SWITCH IS CERTIFIED TO THE FOLLOWING STANDARDS:

- CSA C22.2#60079-0:2019 ED.4, CSA C22.2#60079-18:2016 ED.2+A1, CSA C22.2#61010-1-12:2012 ED.3+U1;U2;A1
- IEC 60079-0:2017 ED.7, IEC 60079-18:2014 ED.4+A1

PROFLO CYCLE SWITCH RATINGS:

ETL	ATEX/UKEX	IECEX
CSA Certificate #: ETL23CA105400238X Class I, Division 2, Groups A B C D, T4 Class I, Zone 1, AEx mb IIC T4 Gb With Intrinsically Safe Circuits -40°C < TA < +60°C, IP66, TYPE 4X	ATEX Certificate #: ETL23ATEX0307X UKEX Certificate #: ITS23UKEX0734X CE2903 (II) 2 G Ex mb IIC T4 Gb -40°C < Ta < +60°C Um=250VDC, 120VAC, li = 0.5A	Ex mb IIC T4 Gb -40°C < Ta < +60°C IECEX ETL 23.0033X

*Dropsa® is a registered trademark of Dropsa USA, Inc.

*Trabon® is a registered trademark of Graco, Inc.

*Lincoln® is a registered trademark of SKF

WARNINGS



FIRE AND EXPLOSION HAZARD

- When flammable fluids or gases are present in the work area, be aware that flammable fumes can ignite or explode.
- Follow job site fire safety protocols, procedures, codes, and regulations.



HYDRAULIC EQUIPMENT

- Follow job site hydraulic protocols, procedures, codes, and regulations.
- Relieve system hydraulic pressure before servicing hydraulic equipment.
- Hydraulic pressure relief devices are recommended in all hydraulic systems.



ELECTRICAL GROUNDING

- This equipment must be grounded to reduce the risk of static sparking.
- Follow job site grounding protocols, procedures, codes, and regulations.



MECHANICAL EQUIPMENT

- Follow job site mechanical equipment protocols, procedures, codes, and regulations.
- This product is typically used in the vicinity of reciprocating or rotating equipment. Be aware of the site hazards and potential for injury.
- Hydraulic pressure relief devices are recommended in all hydraulic systems.



PERSONAL PROTECTIVE EQUIPMENT

- Wear appropriate protective equipment to help prevent injuries.
- Follow job site PPE protocols, procedures, codes, and regulations.

SPECIAL CONDITIONS OF USE

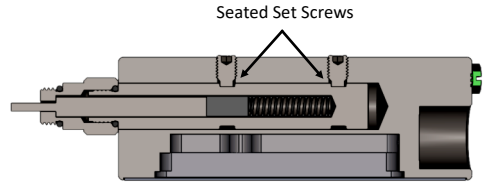
- Maximum overload protection of 0.5A must be provided to the circuits by the installer. When a fuse is used as the overload protection device, the fuse must be rated no more than 0.29A. The overload protection device must be rated for short circuit current matching that of the supply circuit.
- The conductor connected to the external terminal must be Copper (Cu).
- The flying leads must be protected by IECEx 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.
- 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.

INSTALLATION

Divider Block Mounting

- Remove divider valve end plug and install magnet housing. The magnet housing may be installed in any convenient location.
- Slide device onto magnet housing. Ensure set screws are seated in the grooves. **Do not overtighten set screws.** 25 inch pounds max.

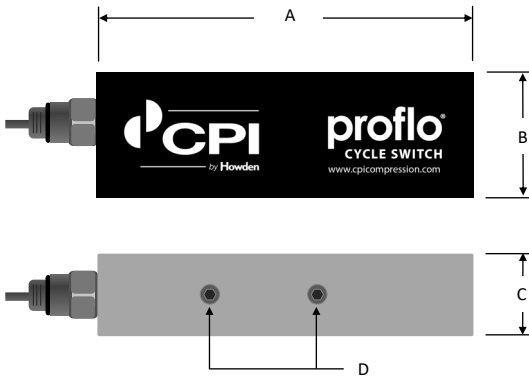
Type	Torque (In-Lbs)	Torque (N-m)
CPI, Graco*, Lincoln*	80	9
Dropsa*	144	16



Wire Connection





- Connect both (2) wires to digital counter, control panel or SCADA system to receive the divider block cycle information. (Um = 250 VDC, 120 VAC li = 0.5A)
- Green ground screw is used for ground wire.

PRODUCT DIMENSIONS



Dimension	Inches (in.)	Millimeters (mm)
A	4.25	108
B	1.47	37.3
C	1.25	31.8
D	1/4-28 UNF	-

PRODUCT LABEL

COMPRESSOR PRODUCTS INTERNATIONAL, LLC 4410 Greenbriar Dr., Stafford, TX, 77477 MODEL: PROFLO CYCLE SWITCH Um = 250 VDC, 120 VAC li = 0.5A ⚠ WARNING! REFERENCE USER GUIDE FOR SAFE USE AVERTISSEMENT! GUIDE DE L'UTILISATEUR DE RÉFÉRENCE POUR UNE UTILISATION SÉCURISÉE	Ex mb IIC T4 Gb Class I, Zone 1, AEx mb IIC T4 Gb Class I, Div 2 Group A,B,C,D T4  II 2 G Ex mb IIC T4 Gb -40° C ≤ Ta ≤ +60° C	 2903	 0359	 Intertek 5026847
CONFORMS TO UL STDS 60079-0, 60079-18, 61010-1 CERTIFIED TO CSA STDS C22.2 #60079-0, 60079-18, 61010-1-12		ETL23CA105400238X IECEx ETL 23.0033X ETL23ATEX0307X ITS23UKEX0734X		

TROUBLESHOOTING

Problem	Cause	Correction
Divider Block locked up	Wrong Magnet Housing Assembly Installed	Make sure proper magnet housing assembly is used for divider block manufacturer
Control Panel Indicates Lube No-	Magnet Housing Assembly	Replace Magnet Housing Assembly

WARRANTY

In the event that defects appear in the Goods under proper use, CPI will repair or replace, at CPI's option and cost (excluding removal and/or reinstallation costs if so necessary) within the warranty period set forth: Unless otherwise expressly agreed, whichever period expires earlier: (i) twelve (12) months from first operation of any such Goods; or (ii) eighteen (18) months from CPI's notification of Goods readiness.

CPI's warranty shall exclude liability for defects arising from: (i) installation, commissioning and/or operation, not in accordance with manual or good industry practice; (ii) use of unapproved spares, unauthorized modification or alteration of the Goods; (iii) normal wear and tear; (iv) the failure of Buyer and/or the end-user to provide adequate storage; or (v) use of the equipment otherwise than in accordance with the agreed operational parameters (including composition, pressure and temperature of the feed gas). No part shall be deemed defective by reason of its failure to resist fouling and the action of erosive or corrosive gases. Any warranty repair or replacement of Goods or re-performance of Services shall be warranted by CPI for the remainder of the original warranty period.

This Device is not field repairable. For replacement, visit www.CPIcompression.com or contact your local representative :

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