# $\mathbf{O}\mathbf{M}$

TopWorx engineers are happy to provide technical assistance on GO<sup>™</sup> Switch products. However, it is the customer's responsibility to determine the safety and suitability of the product in their application. It is also the customer's responsibility to install the switch using the current electrical codes in their region.

BI-COLOR LED

RUD

CUSHION COLLAR OR SLEEVE

Sensing

Contacts

HEAD

CUSHIDN SPEAR (MUST BE FERROUS STEEL)

Specifications - Housing

Materials: Palladium silver

Materials: Stainless Steel bar stock

Conduit Outlet: Mini-change standard

probe lengths:\*\* 1.000" (26 mm) - 5.000" (127 mm)

Target Material: Ferrous Sensing Range: Approx.

Throw (w/ or w/o LED indication) Form A or Form B

All Stainless Steel 360° Rotatable Weld Field Immune

# GO Stroke-to-GO

DC

Amps

0.5

0.5

0.5

0.5

Volts

24

48

125

250

mm) probe,360° adjustable

change connector. No leak-

side outlet with 3 pin mini

age current.

#### Stroke-to-GO Switch Models 7C, 7D, 7E, 7F

When the actuator is removed, the magnet again becomes dominant on the N/C side and the armature returns to its N/C position.

#### Cylinder Position Sensor

Stroke-To-GO<sup>™</sup> Switches provide precise end-of-stroke position indication on pneumatic and hydraulic cylinders. Designed to exceed automotive industry standards, the housing is machined from stainless steel bar stock to handle pressures to 3.000 PSI operating (tested to UL's 4X burst requirement) while withstanding the extreme external conditions such as weld slag, coolants, cutting fluids, physical abuse and even high temperatures. Stroke-to-GO<sup>™</sup> Switches incorporate the same 70 Series GO ™ Switch mechanism that has been tested to over 200 million mechanical cycles and field proven in the most rigorous applications. This unique design offers the greatest benefits in cylinder position indication.

#### Unique Features Leakage current:

Without LEDs - none With LEDs - <1.7mA

#### Voltage Drop:

Without LEDs - none With LEDs - <5V (SPST)

Wash-down: designed to withstand 1,000 PSI wash-down and NEMA 6P with Mini-Change® type connector option

Weld Field Immune: tested and exceeded General Motors EHS-320 specifications. Testing Agency - Candid Logic

## **Radio Frequency Interference**

(RFI): no affect at any frequency

#### Application Considerations

- Cylinder cushion must be ferrous.
- Air gap between switch sensing face and cushion should be .015" to .040" (outside this range please consult factory).
- Largest diameter of target (cushion) should cover at least 75% of probe sensing face.
- Sensing face of Stroke-To-GO<sup>™</sup> Switch must be at least .125" from piston rod for proper switch reset. This may at times require an air gap distance greater than .040".
- For cushion diameters less than .50", air gap should be .015" to .025".



1.375

**C** 

SENSING PROBE .525/.523 DIA

75% MIN. ENGAGEMENT

(2) .266 DIA. MFG. HOLES

Figure 1

Size: Standard probe lengths: 1.025" (26 mm), 1.250" (32 mm) and 2.062" (52mm). Custom

Form: Single Pole, Double Throw, Form C (w/ or w/o LED indication) Single Pole, Single

.090" (2 mm) end sensing (3,000 PSI) (Recommended air gap .015" - .040")

#### Ratings: Resistive Without LED's With LED's

AC		DC			AC		
Volts	Amps	Volts	Amps		Volts	Amps	Vol
120	4	24	3		120	0.5	24
240	2	48	125		240	0.5	48
480	-	125	0.5		480	-	12
		250	0.5				25
Without LED's					With LEI		



### Most Popular Models



7C-23658-DCA SPST with LEDs, approx. .090"(2.3 mm) end sensing, stainless steel 1.025" (26 mm) probe,360° adjustable side outlet with 3 pin mini change connector. < 1mA leakage current.













**10M** 



#### Performance

Repeatability: .002"(.05 mm) typical Response Time: 8 milliseconds Differential: Approximately .020"(.51 mm)

Operating Temperature: -40°F (-40°C) to 160°F (71°C) With LEDs -40°F (-40°C) to 221°F (105°C) Without LEDs; 400°F (204°C) optional

**Pressure Rating:** Stainless steel 3,000 PSI operating (UL tested 4x burst)

Approvals: UL



\*\*Probe lengths shorter than 1.00" are available with taller upper switch housing.

# The GO Switch can be wired as PNP or NPN depending on the desired application







#### EU Declaration of Conformity

The products described herein, conform to the provisions of the following Union Directives, including the latest amendments:

Low Voltage Directive (2014/35/EU) EMD Directive (2014/30/EU) ATEX Directive (2014/34/EU).

#### 有毒或有害物質 (Hazardous Substance) 多溴二苯醚 铅 镉 价铬 多溴联苯 零件名称 (Lead) (Mercury) (Hexavalent Chromium) (Polybrominated biphenyls) (Polybrominated diphenyl ethers) (Cadmium) (Part Name) (Cd) PBB (PBDE) (Pb) (Cr+6) (Hg) 接触组件 0 0 х 0 0 0 (Contact Assem 磁锉 0 0 0 0 0 0 (Magnets) 売体 0 0 0 0 0 0 (Enclosure) 朝彩 0 0 0 0 0 0 (Plastic) 接线 х 0 0 0 х х (Wiring) :表示该有毒有害物质在该部件所有物质材料中的含量均低于GB/T26572规定的限量要求以下 表示该有毒有害物质至少在该部件的某一物质材料中的含量超出GB/T26572规定的限量



# Topworx

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