



TE Connectivity (TE)'s SEACON Switch Products

Underwater Switch Selection Guide

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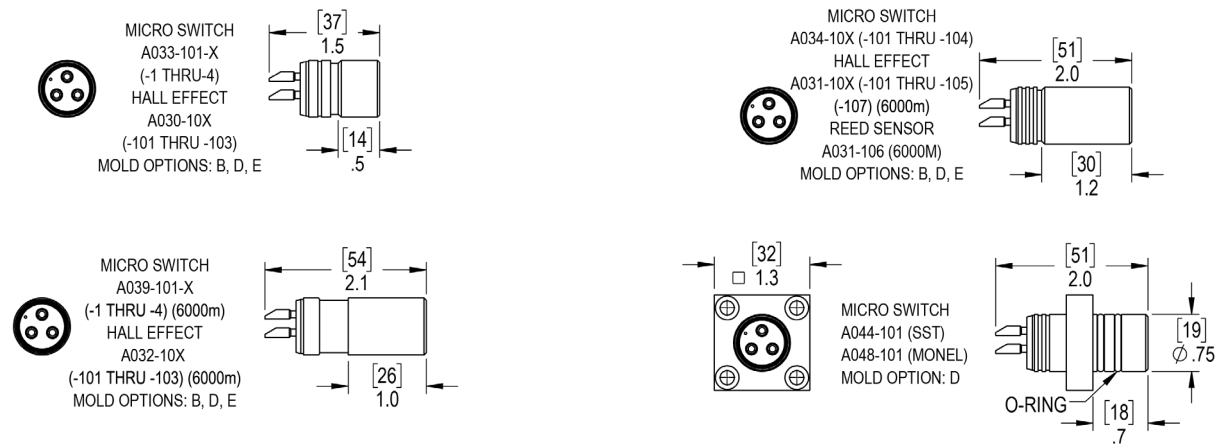
SEACON Proximity Switch

Drawing Number: A130-104-1

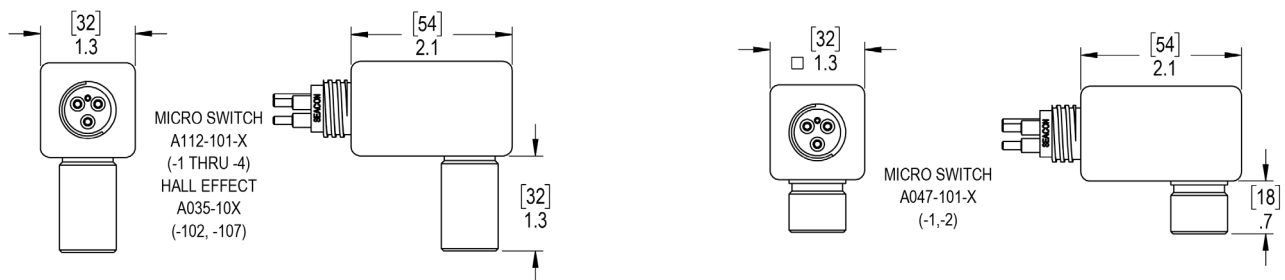
Features

- Micro Switch, 115 VAC/28 VDC, 7 amps or 1 amp max. resistive
- Hall effect, available as sinking, ratiometric (sourcing) or latching
- Reed switch available as shown
- Housing material 316 stainless steel, optional material titanium and monel
- Mounting thread 3/4-16 UNF-2A, unless specified otherwise
- Typical 3,600m operational depth with options to 7,000m
- Custom designs available
- X=Configurations available

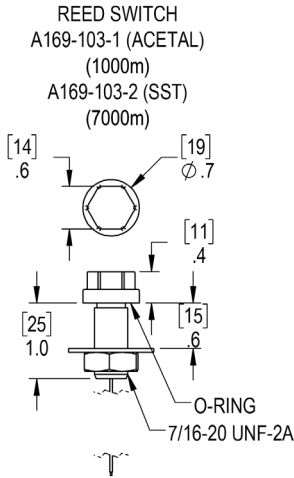
Molded Cable (AU Series)



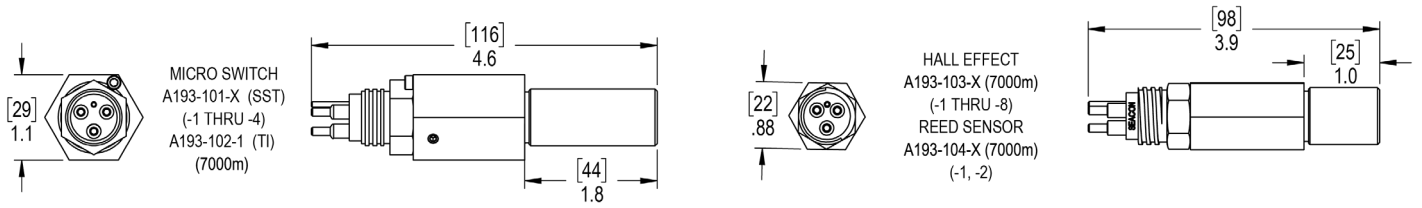
Modular Right Angle with MCBH-3M (Micro WET-CON Bulkhead Connector) (Neoprene Mold)



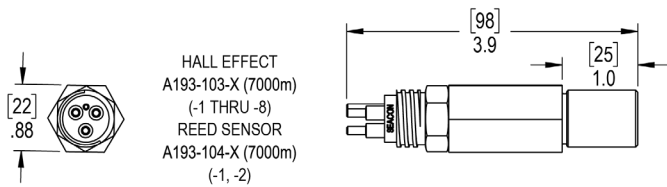
Bulkhead Proximity Sensor



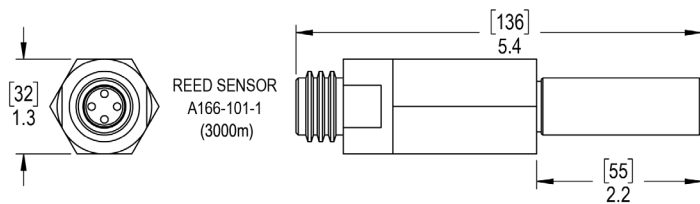
Modular Straight with MCBH-3M Connector



Modular Straight with GRE (Glass Reinforced Epoxy) Connector



Modular Straight with MINK-4-FCRL (MINI-CON Flanged Connector Receptacle) Connector



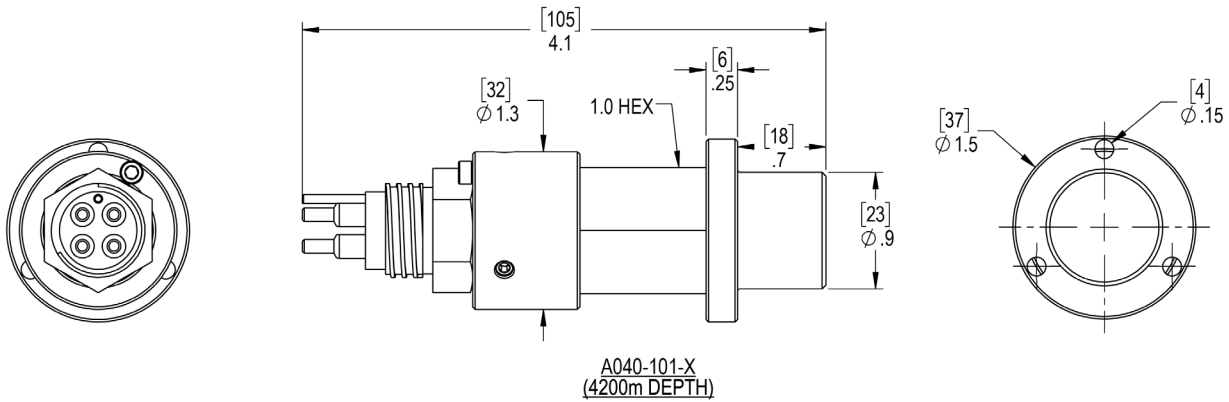
SEACON Dual Switch Proximity Switch

Drawing Number: A130-104-2

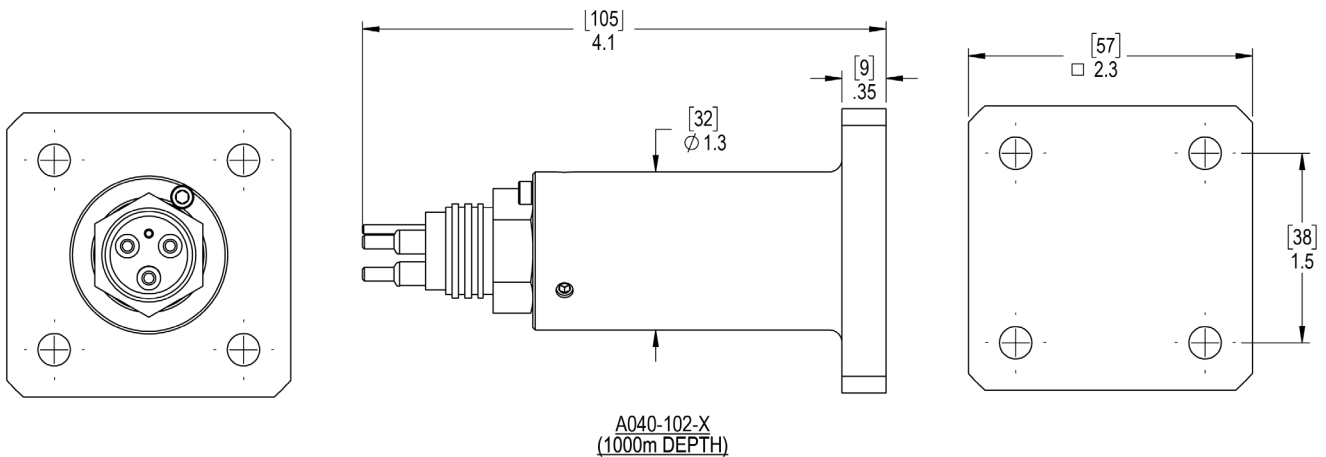
Features

- Dual Micro Switch, 115 VAC/28 VDC, 7amp or 1 amp max. resistive load
- Housing material 316 stainless steel, optional material titanium and monel
- Operating depth as specified
- Designed for high shock
- Custom designs available
- X= Configuration options

MCBH-4M-DO and MCBH-4F-DO Connector Standard (Other MCBH Connectors Available)



MCBH-3M-DO Connector Standard (Other MCBH Connectors Available)



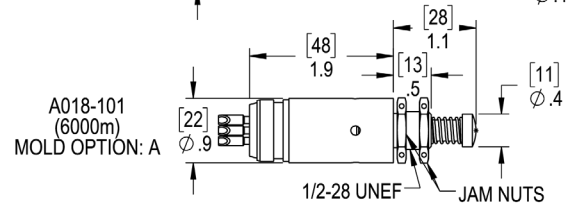
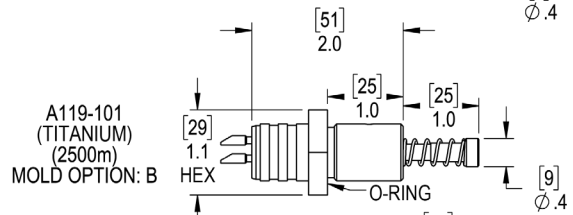
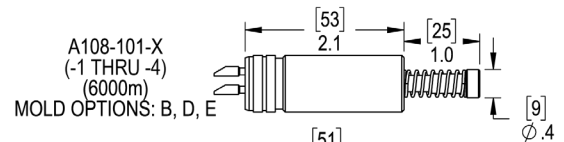
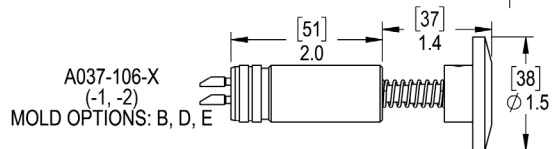
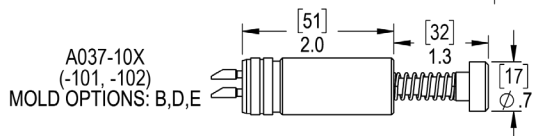
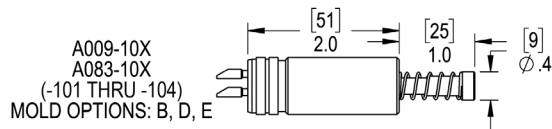
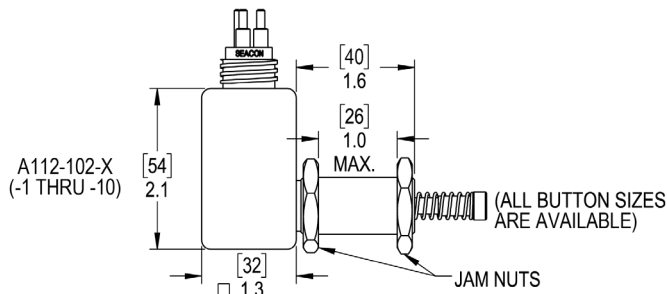
SEACON Molded Cable Switches

Drawing Number: A130-104-3

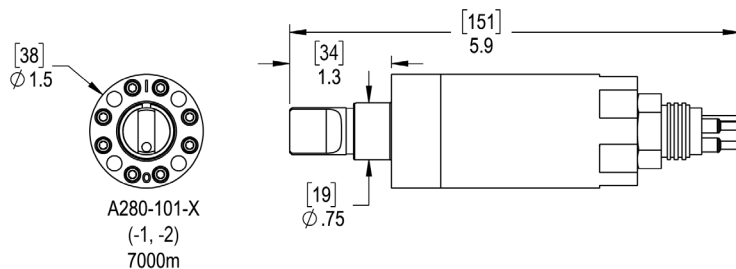
Features

- Micro Switch, 115 VAC/28 VDC, 7amp or 1 amp max. resistive load
- Housing material 316 stainless steel, optional material titanium and acetal
- Mounting thread 3/4-16 UNF-2A unless specified otherwise
- Typical 3,600m operating depth with options 165m to 7,000m
- Custom designs available
- See drawing A130-104-7 for neoprene mold options
- X= Configuration options

Momentary Switch



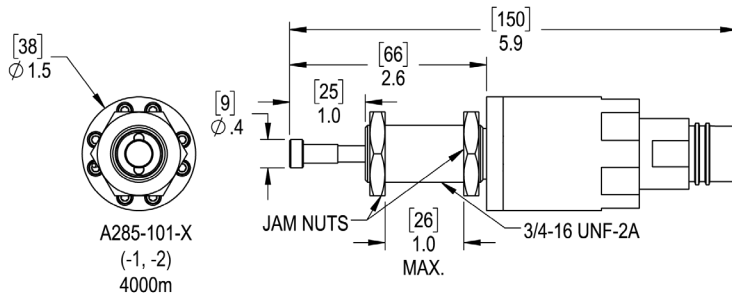
Rotary Switch (Panel Mount) with MCBH-3M Connector



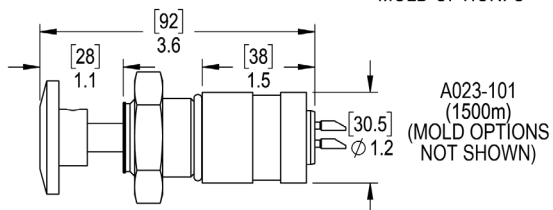
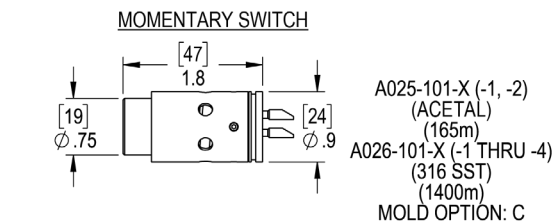
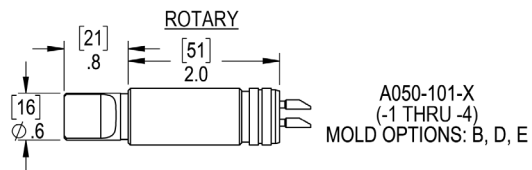
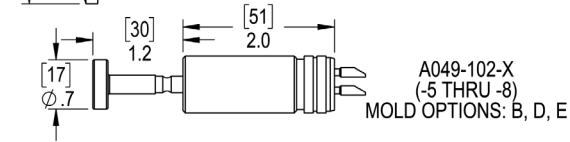
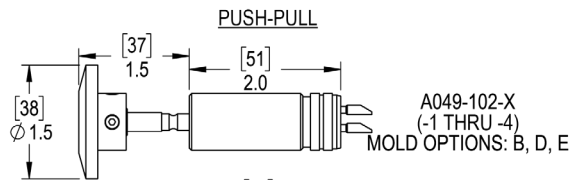
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Momentary Switch (Titanium) with GRE Connector



Positive Action Switch



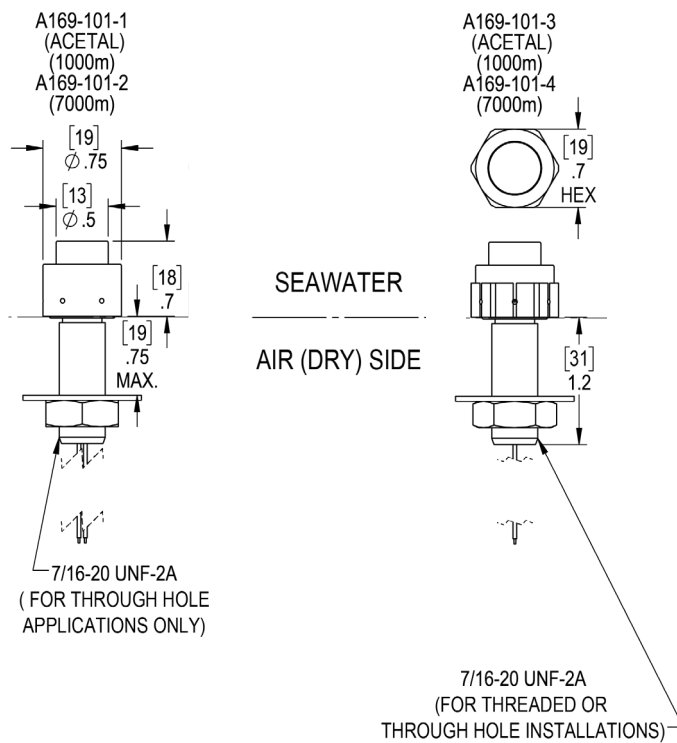
SEACON Bulkhead Mounted Switches

Drawing Number: A130-104-4

Features

- Micro Switch, 115 VAC/28 VDC, 7amp or 1 amp max. resistive load
- Reed switch available as shown
- Housing material 316 stainless steel, optional material titanium and acetal
- 1.1" hex housing has dual o-ring seal face and radial
- A169 series has face o-ring seal only
- Mounting thread 3/4-16 UNF-2A unless specified otherwise
- Typical 3,600m operating depth with options 1,000m to 7,000m
- Custom designs available
- X= Configuration options

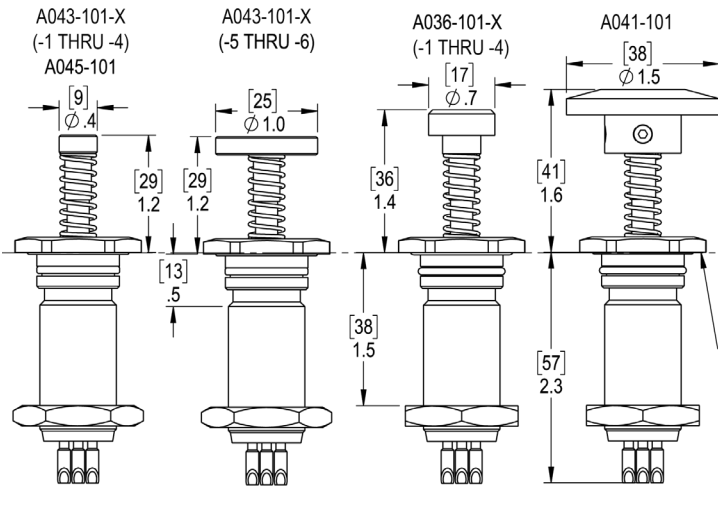
Momentary Reed Switch



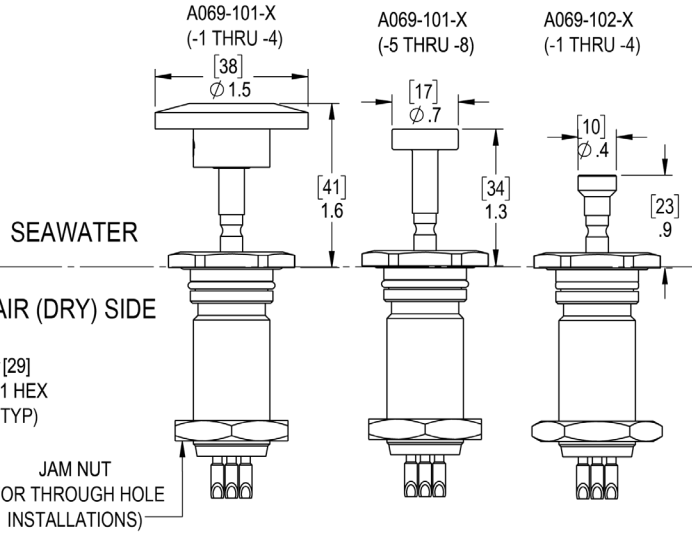
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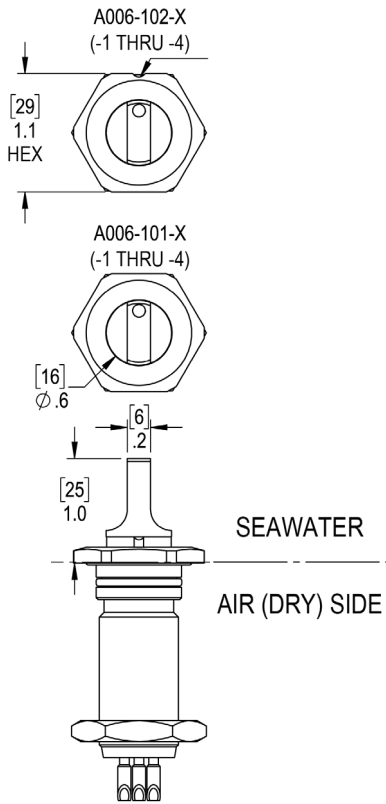
Momentary Switches



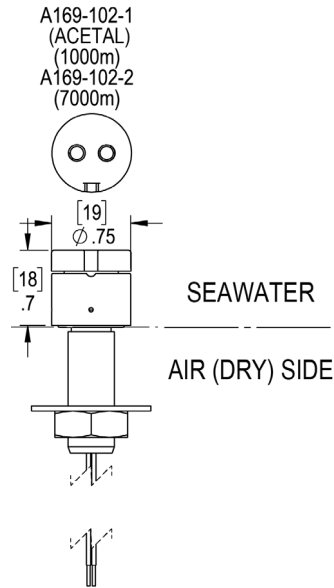
Push-Pull Switches



Rotary Switch



Rotary Reed Switch

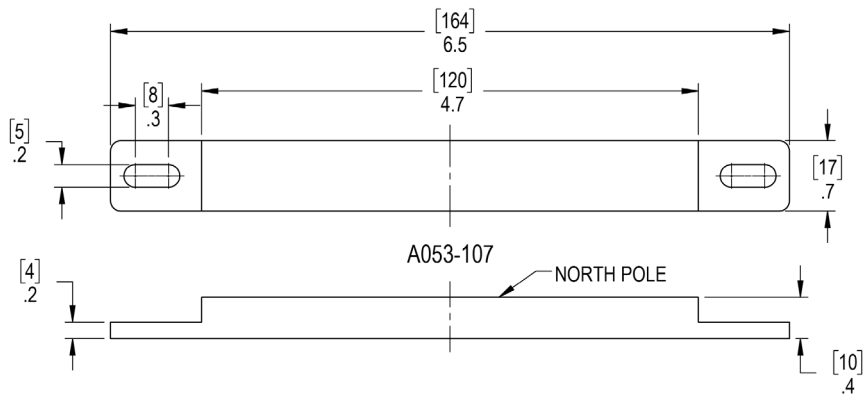
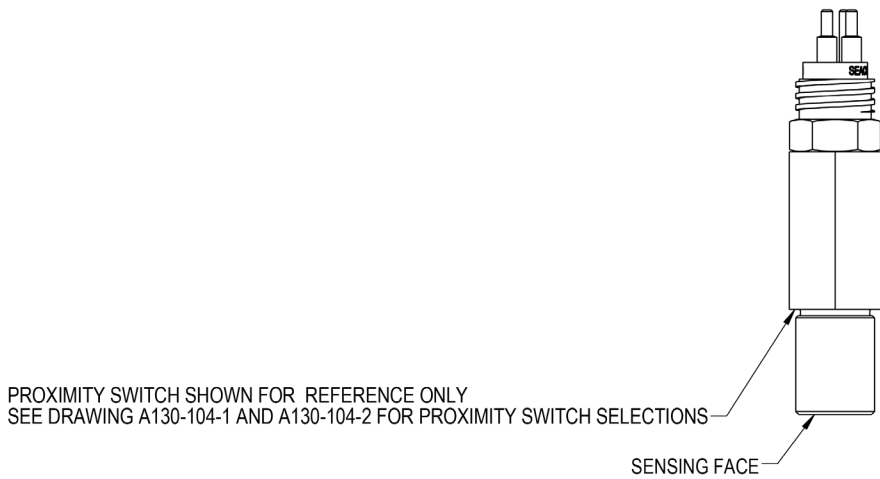


SEACON Proximity Switch Actuators

Drawing Number: A130-104-5

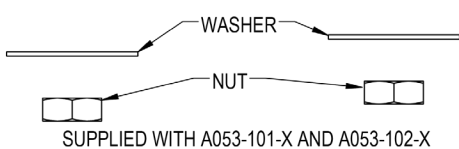
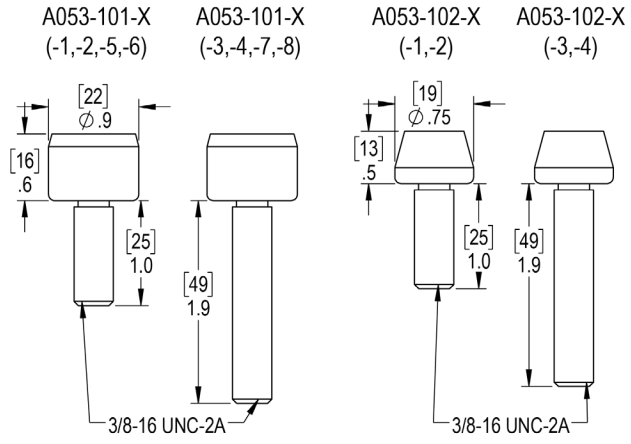
Features

- Magnets are samarium cobalt for max. corrosion resistance
- Magnets are encapsulated in epoxy in all actuator assemblies
- Housing material 316 stainless steel, optional material titanium
- Available as north or south pole actuation, verify the correct polarity for selected switch
- Actuators are designed for seawater use to 7,000m
- Plug style magnets do not seal in housing except A053-105-X
- Magnet size and strength determine proximity actuation distance
- Contact TE for recommended magnet for actuation distance required
- Custom designs available
- X= Configuration options

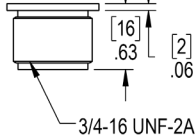
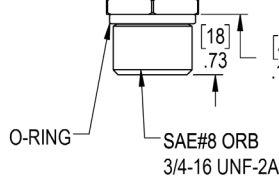
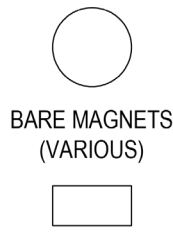
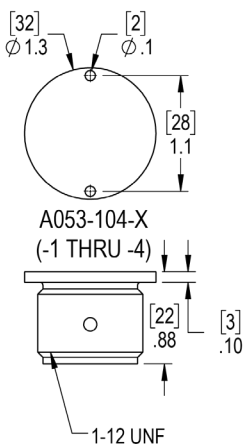
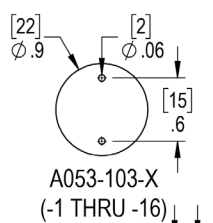
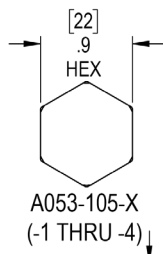
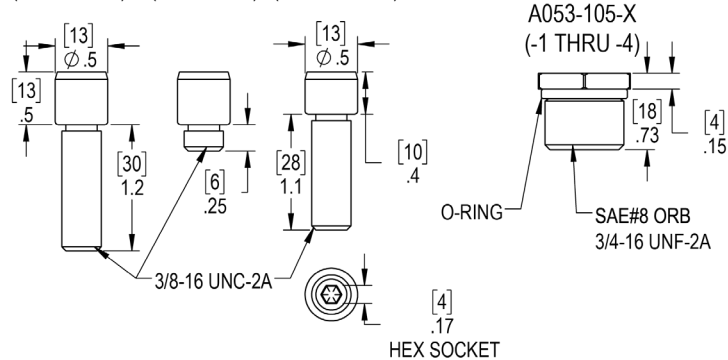


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A053-106-X (-1 THRU -4) A053-106-X (-5 THRU 8) A053-106-X (-9 THRU -12)



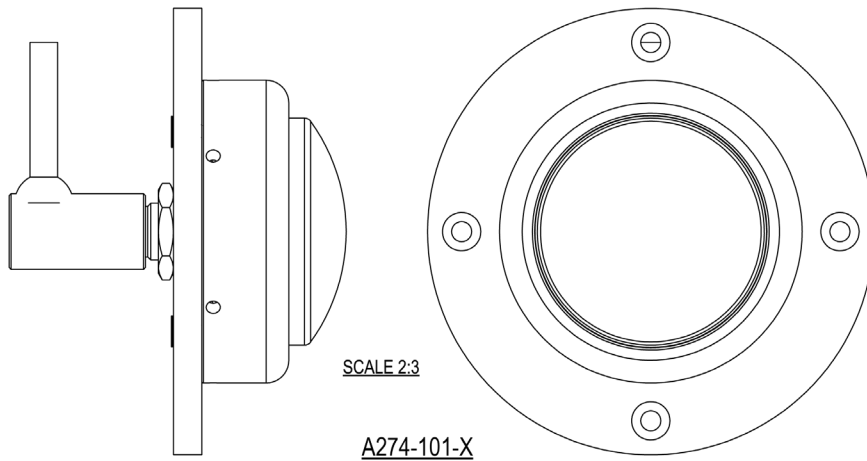
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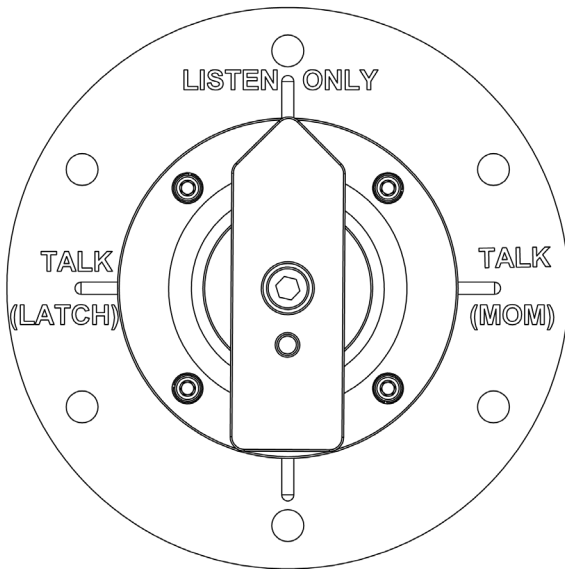
SEACON Switch Accessories

Drawing Number: A130-104-6

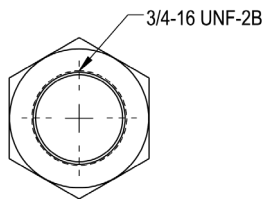
3" Push Button Assembly for Use with Micro Switch Proximity Switch Supplied Separately



Example of Multiple Position Driver Operated Switch

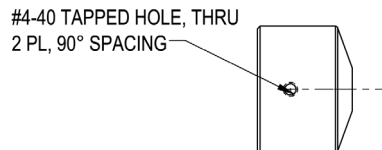


Jam Nuts



A000-180-1 (SST)
 A000-180-2 (TI)
 FOR USE WITH ALL SWITCHES
 WITH 3/4-16 UNF-2A THREADS

Limit Switch Button



A000-189 (SST)
 FOR USE WITH SWITCHES:
 A009-10X
 A043-101-X
 A045-101
 A083-10X
 A108-10X

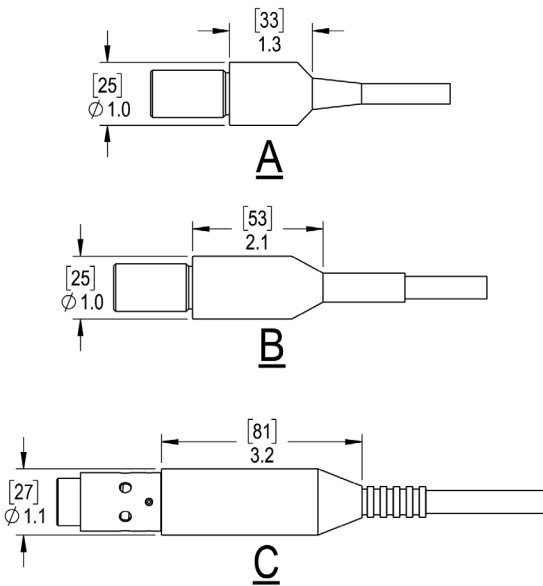
SEACON Switch Mold Options

Drawing Number: A130-104-7

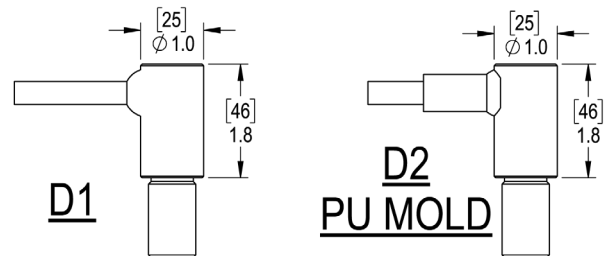
Features

- Standard mold is neoprene
- Standard cables 18/3 AWG & 18/2 SOOW cables
- Other cables can be molded with engineering approval
- TE SEACON connector options: ALL WET, WET-CON, and Micro WET-CON

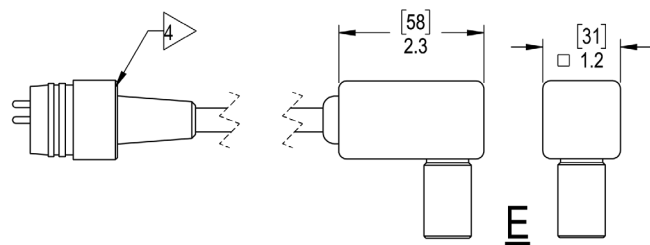
Straight Molds



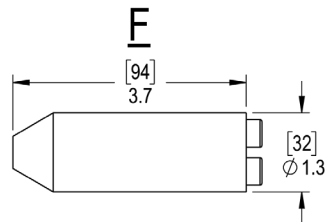
Right Angle Molds



Modular Right Angle Mold



1 in 2 Out Barrel Mold Option for Cable Assembly



Molds Suitable for the Following Switches

- A** A018 SERIES
- B** ALL 3/4-16 UNF SWITCHES (EXCEPT BULKHEAD)
- C** A025 & A026 SERIES
- D1** ALL 3/4-16 UNF SWITCHES (EXCEPT BULKHEAD)
- D2** ALL 3/4-16 UNF SWITCHES (POLYURETHANE MOLD ONLY)
- E** ALL 3/4-16 UNF SWITCHES (EXCEPT BULKHEAD)
- F** FOR SPLICING 18/8 SOOW CABLE TO 2-18/3 SOOW CABLES

LET'S CONNECT

We make it easy to connect with our experts and are ready to provide all the support you need. Just call your local support number or visit www.te.com/industrial to chat with a Product Information Specialist.

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