

# SEACON

## SEACON ADVANCED PRODUCTS, LLC PRODUCT DATASHEET

### POSITIVE ACTION SWITCHES



*Positive Action Switches*

#### DESCRIPTION

SEACON offers a variety of Switches, including Positive Action Switches to meet the demanding needs of our customers.

Positive Action Switches are designed to give a continuous signal when the switch is activated. Various configurations are available including Rotary and Push and Pull (Kill Switches).

#### KEY FEATURES

- Load capacities
  - Light duty (LD - 1 amp)
  - Standard Duty (SD - 7 amps)
- Hermetically sealed
- 316 Stainless Steel or Titanium
- AU series (SST) switches are rated to 6,000 psi (4,000 m) and available in LD and SD
- Single Pole Double Throw

#### MATERIALS

- 316 Stainless steel - AU, AU-LS 10K
- Titanium - AU, AU-LS

#### QUALITY

- SEACON Advanced Products, LLC operate a Quality Management System certified to ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007.





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### CONFIGURATIONS

AU Series.

- Mounting type:
  - 3/4" -16 UNF for AU
  - Bulkhead available for AU series
  - Cable molding and PBOF options available

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### DESIGN RATINGS & TESTING

- Pressure Rating:
  - 6,000 psi - AU-RT and AU-PP
  - 10,000 psi - AU-LS 10K
- Power load:
  - Light Duty = 1 amp (115 VAC/28 VDC) - Available for all series
  - Standard Duty = 7 amps (115 VAC/28 VDC) - Available for all series
- Button options: Large (1.5 in), Medium (.65 in), Small (.375 rad.) available for AU and LS 1.5 and .375.
- Standard temperature range: -40° to +175°F available for AU
- Minimum cycles: All series greater than 50,000

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### OPERATION

- Switches incorporate Detent features

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### PRINCIPLE OF OPERATION

A **Positive Action Switch** uses a mechanism (Rotary or Linear) to move a magnet which is then placed either in attraction or repulsion, to open or close an electrical circuit. All switches are single pole double throw.

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