

MODULAR PROXIMITY SWITCHES



Modular Proximity Switch

DESCRIPTION

SEA CON® offers a variety of Switches. This Modular Proximity Switch utilizes many of our proven proximity switches and integrates them with a SEA CON® Micro WET-CON, underwater pluggable connector.

Installation has never been easier. Once the switch is mounted the cable can easily be added. Because a wet pluggable connector is used, this can be done in any conditions, even submerged.

As a result of this modular design, switches become interchangeable. Simply replace the cable and the switch can be used elsewhere. This is particularly useful when taking spares to sea.

KEY FEATURES

- Hermetically sealed
- No O-rings or gaskets
- Single Pole Double Throw
- Reinforced Neoprene Mold
- Integrated Underwater Pluggable connector incorporating MC-BH-3M

QUALITY

- SEA CON Advanced Products, LLC operate a Quality Management System certified to ISO 9001:2008.



PRODUCT DATASHEET

CONFIGURATIONS

AU-VM Series, AU-VME Series, BU-VM Series.

- | | |
|--------------------------------|--|
| Standard Proximity - | The switch can be normally open or closed. When a magnet is presented the switch will either open or close the circuit. |
| Sinking Hall Effect - | The sensor is normally closed. When a magnet is present the sensor opens at a very high rate of speed. |
| Sinking/Sourcing Hall Effect - | The switch is normally open and will gradually close as the magnet is brought closer to the switch. This is ideal for lining up two objects. |
| Latching Hall Effect - | The circuit is closed when a South magnet is present and opens when a North magnet is presented. |
- Mounting type:
 - Standard 3/4" - 14 NPSM-2A (nominal OD 1in) - for all sizes. Bulkhead available for BU series.
 - Molded available for all series

DESIGN RATINGS & TESTING

- Pressure rating:
 - 6,000 psi - All series.
 - 10,000 psi - VME series
- Power load:
 - Light duty = 1 amp - Available for all series
 - Standard duty = 7 amps - Available for all series
- Standard Temperature range: -65° to +150°F - Available for all series

QUALIFICATIONS

- Proximity Switch meets NAVSEA 5162424-102-11
- Micro Switch design to MIL-S-8805

PRINCIPLE OF OPERATION

A **Modular Proximity Switch** uses magnets, either in attraction or repulsion, to open or close an electrical circuit. Except for hall effect, all switches are single pole double throw.

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