SEACON PROXIMITY SWITCH

FOR ADDITIONAL INFORMATION SEND REQUEST TO bellvillesales@te.com

FEATURES:
- MICRO SWITCH, 115 VAC/28 VDC, 7 AMP OR 1 AMP MAX RESISTIVE LOAD
- HALL EFFECT, AVAILABLE AS SINKING, RATIOMETRIC (SOURCING) OR LATCHING
- REED SENSOR AVAILABLE AS SHOWN
- HOUSING MATERIAL 316 SST, OPTIONAL MATERIAL TITANIUM AND MONEL
- MOUNTING THREAD 3/4-16 UNF-2A, UNLESS SPECIFIED OTHERWISE
- TYPICAL 3600 METER OPERATING DEPTH, WITH OPTIONS TO 7000m
- CUSTOM DESIGNS AVAILABLE
- X= CONFIGURATION OPTIONS

BULKHEAD PROXIMITY SENSOR
- REED SWITCH
  - A169-103-1 (ACETAL)
    - (1000m)
  - A169-103-2 (SST)
    - (7000m)
- HALL EFFECT
  - A035-10X
    - (-101 to -107)

MOLDED CABLE
(AU SERIES)
- MICRO SWITCH
  - A033-101-X
    - (-1 THRU-4)
  - HALL EFFECT
    - A030-10X
      - (-101 THRU -103)
  - MOLD OPTIONS: B, D, E
- MICRO SWITCH
  - A034-10X
    - (-1 THRU -104)
  - HALL EFFECT
    - A031-10X
      - (-107) (6000m)
  - REED SENSOR
    - A031-106 (6000m)
  - MOLD OPTIONS: B, D, E
- MICRO SWITCH
  - A039-101-X
    - (-1 THRU -4) (6000m)
  - HALL EFFECT
    - A032-10X
      - (-101 THRU -103) (6000m)
  - MOLD OPTIONS: B, D, E
- MICRO SWITCH
  - A044-101
  - HALL EFFECT
  - A048-101

MODULAR RIGHT ANGLE WITH MCBH-3M CONNECTOR
(NEOPRENE MOLD)
- MICRO SWITCH
  - A112-101-X
    - (-1 THRU -4)
  - HALL EFFECT
    - A035-10X
      - (-102, -107)

MODULAR STRAIGHT WITH MCBH-3M CONNECTOR
- MICRO SWITCH
  - A193-101-1-X (SST)
    - (-1 THRU -4)
  - A193-102-1 (TI)
    - (7000m)
- HALL EFFECT
  - A193-103-X (7000m)
    - (-1 THRU -8)
  - REED SENSOR
    - A193-104-X (7000m)
      - (-1, -2)

MODULAR STRAIGHT WITH GRE CONNECTOR
- MICRO SWITCH
  - A166-101-1
    - (3000m)
- REED SENSOR
  - A169-103-1 (ACETAL)
    - (1000m)
  - A169-103-2 (SST)
    - (7000m)

MODULAR STRAIGHT WITH MINK4FCRL CONNECTOR
- HALL EFFECT
  - A276-101-1 (1000m)

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SHEET 1 OF 7

DO NOT SCALE DRAWING
SCALE 3:5
SOLIDWORKS
FEATURES:
- DUAL MICRO SWITCH, 115 VAC/28 VDC, 7 AMP OR 1 AMP MAX RESISTIVE LOAD
- HOUSING MATERIAL 316 SST, OPTIONAL MATERIAL TITANIUM AND MONEL
- OPERATING DEPTH AS SPECIFIED
- DESIGNED FOR HIGH SHOCK
- CUSTOM DESIGNS AVAILABLE
- X= CONFIGURATION OPTIONS

FOR ADDITIONAL INFORMATION SEND REQUEST TO bellvillesales@te.com

MCBH-4M-DO AND MCBH-4F-DO CONNECTOR STANDARD
(OTHER MCBH CONNECTORS AVAILABLE)

MCBH-3M-DO CONNECTOR STANDARD
(OTHER MCBH CONNECTORS AVAILABLE)

A040-101-X
(4200m DEPTH)

A040-102-X
(1000m DEPTH)

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SEACON DUAL SWITCH PROXIMITY SWITCH

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SHEET 2 OF 7
SEACON MOLDED CABLE SWITCHES

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FEATURES:
- MICRO SWITCH, 115 VAC/28 VDC, 7 AMP OR 1 AMP MAX RESISTIVE LOAD
- HOUSING MATERIAL 316 SST, OPTIONAL MATERIAL TITANIUM AND ACETAL
- MOUNTING THREAD 3/4-16 UNF-2A, UNLESS SPECIFIED OTHERWISE
- TYPICAL 3600 METER OPERATING DEPTH, WITH OPTIONS 165m TO 7000m
- CUSTOM DESIGNS AVAILABLE
- SEE DRAWING A130-104-7 FOR NEOPRENE MOLD OPTIONS
- X= CONFIGURATION OPTIONS

ROTARY SWITCH (PANEL MOUNT) WITH MCBH-3M CONNECTOR

MOMENTARY SWITCH (TITANIUM) W/ GRE CONNECTOR

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UNDERWATER SWITCH SALES DRAWING

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SHEET 3 OF 7

SCALE 3:5
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SOLIDWORKS
SEACON BULKHEAD MOUNTED SWITCHES

FEATURES:
- MICRO SWITCH, 115 VAC/28 VDC, 7 AMP OR 1 AMP MAX RESISTIVE LOAD
- REED SWITCH AVAILABLE AS SHOWN
- HOUSING MATERIAL 316 SST, 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 3600 METER OPERATING DEPTH, WITH OPTIONS 1000m TO 7000m
- CUSTOM DESIGNS AVAILABLE
- X= CONFIGURATION OPTIONS

MOMENTARY REED SWITCH
A169-101-1 (ACETAL) (1000m)
A169-101-2 (7000m)
A169-101-3 (ACETAL) (1000m)
A169-101-4 (7000m)
A043-101-X (-1 THRU -4)
A045-101
A043-101-X (-5 THRU -6)
A036-101-X (-1 THRU -4)
A041-101

REED SWITCH
A169-102-1 (ACETAL) (1000m)
A169-102-2 (7000m)
A069-102-X (-1 THRU -4)

PUSH-PULL
A069-101-X (-1 THRU -4)
A069-101-X (-5 THRU -8)

MOMENTARY
A169-101-1 (ACETAL) (1000m)
A169-101-2 (7000m)
A043-101-X (-1 THRU -4)
A045-101
A043-101-X (-5 THRU -6)
A036-101-X (-1 THRU -4)
A041-101

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UNDERWATER SWITCH SALES DRAWING
DRAWING NO. A130-104-4

B 4EAN5

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SEACON PROXIMITY SWITCH ACTUATORS

FEATURES:
- Magnets are Samarium Cobalt for maximum corrosion resistance
- Magnets are encapsulated in epoxy in all actuator assemblies
- Housing material 316 SST, optional material titanium
- Available as north or south pole actuation, verify the correct polarity for selected switch
- Actuators are designed for seawater use to 7000m
- Plug style magnets do not seal in housing, except A053-105-X
- Magnet size and strength determine proximity actuation distance
- Contact SEACON for recommended magnet for actuation distance required
- Custom designs available
- X= configuration options

PROXIMITY SWITCH SHOWN FOR REFERENCE ONLY
SEE DRAWING A130-104-1 AND A130-104-2 FOR PROXIMITY SWITCH SELECTIONS

SUPPLIED WITH A053-101-X AND A053-102-X

FOR ADDITIONAL INFORMATION SEND REQUEST TO bellvillesales@te.com
EXAMPLE OF MULTIPLE POSITION DRIVER OPERATED SWITCH
CONTACT US FOR YOUR CUSTOM SWITCH REQUIREMENTS

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

3/4-16 UNF-2B
#4-40 TAPPED HOLE, THRU 2 PL, 90° SPACING

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SEACON UNDERWATER SWITCH ACCESSORIES

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UNDERWATER SWITCH SALES DRAWING

SOLIDWORKS

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SHEET 6 OF 7
SEACON UNDERWATER SWITCH MOLD OPTIONS

FOR ADDITIONAL INFORMATION SEND REQUEST TO bellvillesales@te.com

NOTES:
1. STANDARD MOLD IS NEOPRENE.
2. STANDARD CABLES, 18/3 AWG & 18/2 SOOW CABLES.
3. OTHER CABLES CAN BE MOLDED, WITH ENGINEERING APPROVAL.

SEACON CONNECTOR OPTIONS: ALL WET, WET-CON, AND MICRO WET-CON

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 (PU MOLD ONLY)
- E- ALL 3/4-16 UNF SWITCHES (EXCEPT BULKHEAD)
- F- FOR SPLICING 18/8 SOOW CABLE TO 2-18/3 SOOW CABLES

STRAIGHT MOLDS

D1
PU MOLD

D2
RIGHT ANGLE MOLD

A
B
C
F

STRAIGHT MOLDS

MODULAR RIGHT ANGLE MOLD

1 IN 2 OUT BARREL MOLD OPTION
FOR CABLE ASSEMBLY

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UNDERWATER SWITCH SALES DRAWING
SCALE 1:2
SOLIDWORKS SHEET 7 OF 7

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