

# 9037HR36

Float switch, Pumptrol, closed tank, NEMA 7/9,  
screw in bushing, 2 NC DPST DB contacts



## Main

|                              |                      |
|------------------------------|----------------------|
| Range of product             | Pumptrol             |
| Product or component type    | Float switch         |
| Device application           | Closed tank          |
| Device short name            | 9037H                |
| Product specific application | Liquid level control |
| Electrical circuit type      | Power circuit        |
| Quantity per set             | Set of 1             |
| Type of packing              | Individual           |

## Complementary

|                                 |                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product destination             | For closed tank                                                                                                                                                                                                                                                                                                                        |
| Device mounting                 | Screw-in bushing                                                                                                                                                                                                                                                                                                                       |
| Cable entry number              | 2 conduit entries for 3/4"-14 NPT conforming to UL 508                                                                                                                                                                                                                                                                                 |
| Contacts type and composition   | 2 NC, snap action, DPST-DB, Form YY                                                                                                                                                                                                                                                                                                    |
| Controlled fluid                | Fresh water at specific gravity of 0.85 in or higher -18...104 °C<br>Sea water at specific gravity of 0.85 in or higher -18...104 °C<br>Hydraulic oil at specific gravity of 0.85 in or higher -18...104 °C<br>Corrosive fluid at specific gravity of 0.85 in or higher -18...104 °C                                                   |
| Motor power kW                  | 1.5 KW (2 hp) at 115 V AC, 1 phase<br>2.2 KW (3 hp) at 115 V AC, 3 phases<br>2.2 KW (3 hp) at 230 V AC, 1 phase<br>3.7 KW (5 hp) at 230 V AC, 3 phases<br>0.75 KW (1 hp) at 460 V AC, 3 phases<br>0.75 KW (1 hp) at 475 V AC, 3 phases<br>0.18 KW (0.25 hp) at 32 V DC<br>0.37 KW (0.5 hp) at 115 V DC<br>0.37 KW (0.5 hp) at 230 V DC |
| Electrical connection           | Screw-clamp terminals, clamping capacity: 10 AWG                                                                                                                                                                                                                                                                                       |
| Contact operation               | Contacts close on liquid rise                                                                                                                                                                                                                                                                                                          |
| Float movement                  | 2.5...5 in adjustable                                                                                                                                                                                                                                                                                                                  |
| Float position                  | Left                                                                                                                                                                                                                                                                                                                                   |
| Float rod angle                 | 90° (offset)                                                                                                                                                                                                                                                                                                                           |
| Short-circuit protection        | 20 A cartridge fuse, type gG                                                                                                                                                                                                                                                                                                           |
| Local signalling                | With external pointer                                                                                                                                                                                                                                                                                                                  |
| Materials in contact with fluid | Cast iron<br>Yellow brass<br>Stainless steel 316<br>Stainless steel 304<br>Nitrile (Buna-N) or equivalent rubber                                                                                                                                                                                                                       |
| Enclosure material              | Cast aluminium                                                                                                                                                                                                                                                                                                                         |
| Operating position              | Vertical position only                                                                                                                                                                                                                                                                                                                 |
| Electrical durability           | 100 cycles, operating rate <60 cyc/mn                                                                                                                                                                                                                                                                                                  |
| Mechanical durability           | 300 cycles                                                                                                                                                                                                                                                                                                                             |
| Terminal block type             | 4 terminals                                                                                                                                                                                                                                                                                                                            |
| Maximum operating rate          | 60 cyc/mn                                                                                                                                                                                                                                                                                                                              |
| [Ui] rated insulation voltage   | 575 V conforming to UL 508                                                                                                                                                                                                                                                                                                             |
| Terminals description ISO n°1   | Line-load-load-line                                                                                                                                                                                                                                                                                                                    |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                      |                              |
|----------------------|------------------------------|
| Factory modification | Without                      |
| Kit composition      | Rod<br>Float<br>Float switch |

## Environment

|                                       |                               |
|---------------------------------------|-------------------------------|
| Standards                             | CE<br>UL 508                  |
| Ambient air temperature for operation | -30...93 °C                   |
| Ambient air temperature for storage   | -30...93 °C                   |
| NEMA degree of protection             | NEMA 7/9 conforming to UL 698 |
| Product certifications                | UL listed HazLoc[RETURN]      |

## Packing Units

|                              |            |
|------------------------------|------------|
| Unit Type of Package 1       | PCE        |
| Number of Units in Package 1 | 1          |
| Package 1 Height             | 48.387 cm  |
| Package 1 Width              | 19.05 cm   |
| Package 1 Length             | 122.903 cm |
| Package 1 Weight             | 4.99 kg    |

## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| California proposition 65                  | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                              |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|