

# 9037EG10

Float switch, Pumptrol, closed tank, NEMA 1,  
flange mounted, 2 NC DPST DB contacts



## Main

|                              |                      |
|------------------------------|----------------------|
| Range of product             | Pumptrol             |
| Product or component type    | Float switch         |
| Device application           | Closed tank          |
| Device short name            | 9037E                |
| 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                 | Flange                                                                                                                                                                                                                                                                                                                                 |
| Cable entry number              | 3 knock-outs for 1/2" conduit 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                  | Variable fixed                                                                                                                                                                                                                                                                                                                         |
| Float position                  | Any                                                                                                                                                                                                                                                                                                                                    |
| Float rod angle                 | Horizontal                                                                                                                                                                                                                                                                                                                             |
| Short-circuit protection        | 20 A cartridge fuse, type gG                                                                                                                                                                                                                                                                                                           |
| Local signalling                | Without                                                                                                                                                                                                                                                                                                                                |
| Materials in contact with fluid | Stainless steel 304<br>Nitrile (Buna-N) or equivalent rubber<br>Yellow brass<br>Stainless steel 316                                                                                                                                                                                                                                    |
| Enclosure material              | Polypropylene or equivalent                                                                                                                                                                                                                                                                                                            |
| Operating position              | Vertical or horizontal position                                                                                                                                                                                                                                                                                                        |
| 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                                                                                                                                                                                                                                                                                                             |
| Net weight                      | 2.13 kg                                                                                                                                                                                                                                                                                                                                |
| 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      | Float switch<br>Rod and float are to be chosen in accessories |

## 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 1 conforming to UL 50 |
| Product certifications                | UL listed[RETURN]CSA       |

## 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             | 2.132 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 |
|----------|-----------|