

Product data sheet

Specifications



Float switch, Square D Pumptrol, closed tank, NEMA 1, screw in bushing, 2 NC DPST DB contacts

9037HG33

Main

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|------------------------------|----------------------|
| Range of product | Square D 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

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|---------------------------------|--|
| Product destination | For closed tank |
| Device mounting | Screw-in bushing |
| 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 Sea water at specific gravity of 0.85 in or higher -18...104 °C Hydraulic oil at specific gravity of 0.85 in or higher -18...104 °C 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 2.2 kW (3 hp) at 115 V AC, 3 phases 2.2 kW (3 hp) at 230 V AC, 1 phase 3.7 kW (5 hp) at 230 V AC, 3 phases 0.75 kW (1 hp) at 460 V AC, 3 phases 0.75 kW (1 hp) at 475 V AC, 3 phases 0.18 kW (0.25 hp) at 32 V DC 0.37 kW (0.5 hp) at 115 V DC 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 in adjustable |
| Float position | Right |
| Float rod angle | 45° |
| Short-circuit protection | 20 A cartridge fuse, type gG |
| Local signalling | With external pointer |
| Materials in contact with fluid | Cast iron Stainless steel 316 |

| | |
|--------------------------------------|--|
| | Stainless steel 304 Yellow brass Nitrile (Buna-N) or equivalent rubber |
| Enclosure material | Polypropylene or equivalent |
| 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 |
| Net weight | 2.03 kg |
| Terminals description ISO n°1 | Line-load-load-line |
| Factory modification | Without |
| Kit composition | Float switch Rod Float |

Environment

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|--|---|
| Standards | CE UL 508 |
| Ambient air temperature for operation | -30...104 °C |
| Ambient air temperature for storage | -30...104 °C |
| NEMA degree of protection | NEMA 1 conforming to UL 50 |
| Product certifications | CSA file LR25490 UL listed file E12158 |

Packing Units

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|-------------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 19.6 cm |
| Package 1 Width | 17.8 cm |
| Package 1 Length | 29.7 cm |
| Package 1 Weight | 1.9 kg |

Offer Sustainability

| | |
|-----------------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| 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 www.P65Warnings.ca.gov |

Contractual warranty

Warranty 18 months

Recommended replacement(s)