

# Proximity Switch T6Y-MKII

T6Y-MKII is an inductive proximity switch for submerged operation which has been developed and installed in submarines.

The inductive proximity switch consists of a sensor element which is mounted in a plastic housing. The housing is then molded so that the sensor element and the subcon connector is fully surrounded by the molding compound. This ensures that no water will enter the sensor element or the connection area even if the housing should be damaged.

To date, we have delivered and installed more than 400 units of proximity switches to different underwater applications.

## The main features are:

- Pressure tested to 25 bar
- Shock resistance tested to 2000 g
- Connection with a Subcon connector to be easily interchangeable
- Ability to be activated against magnetic as well as non-magnetic materials

The proximity switch could be configured to suit various applications upon request. Please contact us for more details.

## General Technical Data

|  |   |
|--|---|
| Voltage  | 15 – 30 V DC  |
| Output   | Max 200 mA, NO, PNP   |
| Indication distance<br>( $\pm 10\%$ at $-20^{\circ}\text{C}$ - $+60^{\circ}\text{C}$ ) | Iron: 4.0 mm ( $\pm 15\%$ )<br>Stainless steel: 4.5 mm ( $\pm 15\%$ )<br>Alum-bronze: 5.0 mm ( $\pm 15\%$ ) |
| Hysteresis   | < 1 mm  |
| Pressure tested  | 25 bar  |
| Shock resistance   | 2000 g  |
| Lenght   | 159 mm  |
| Diameter   | 26 mm   |
| Weight   | 129 gram (cable not included)   |



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