

# Proximity Switch R8S-MKIII

R8S-MKIII is an inductive proximity switch for submerged operation which has been developed and installed in submarines.

The R8S-MKIII is fully tested and approved according to MIL-STD-461-F. As a standard the proximity switch is delivered with 2-meter screened cable, but other length can be offered on request.

The inductive proximity switch consists of a sensor element which is mounted in a plastic housing. A cable specially designed for underwater use is connected to the sensor element. The housing is then molded so that the sensor element and the cable connection 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.

## The main features are:

- Pressure tested to 70 bar
- Shock resistance tested to 2000g
- Screened cable with concentric connection to sensor body
- 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	8 mm ( $\pm 1$ mm) ( $\pm 10\%$ at $-25\text{ }^{\circ}\text{C}$ - $+70\text{ }^{\circ}\text{C}$ )
Hysteresis	$< 1$ mm
Pressure tested	70 bar
Shock resistance	2000 g
EMC	MIL-STD-461-F
Length	80 mm
Diameter	40 mm
Weight	180 gram (cable not included)