Proximity Switch T9SPC

The inductive proximity switch has been developed for contactless position sensing under water. The proximity switch works with all types of metal targets.

The proximity switch is tested for pressure, shock and EMC according to military requirements. 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 are 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 iron	4 mm (-0 / +1mm) (±10% at -25 °C - +70 °C)
Hysteresis	< 1 mm
Pressure tested	70 bar
Shock resistance	2000 g
EMC	MIL-STD-461-G
Length	106 mm
Width	60 mm
Height	29 mm
Weight	520 gram (2 m cable included)

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