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## Inductive Proximity Switch

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The Subsea **Inductive Proximity Switch** comprises a Stainless Steel M18 threaded barrel bonded and sealed to a 5mm diameter cable and comes supplied with two locking half-nuts, 4mm thick. They have been designed for shallow water applications and are rated to a depth of up to 600m.

The switches are supplied with 1m of polyurethane jacketed cable as standard with the fully bonded, moulded cable entry either right angled or straight, longer lengths (up to 200m) can be supplied on request. The standard moulding is polyurethane with options for polyethylene or neoprene if required. All design, machining and assembly operations are carried out in house enabling cost effective, bespoke solutions to be produced with quick response times.

### Standard Specifications

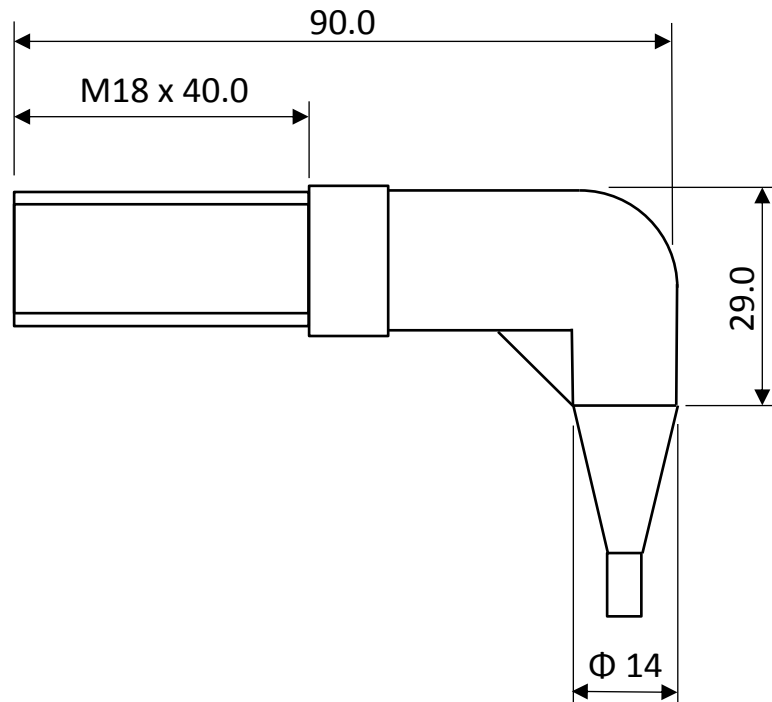
Operating Distance	10mm*
Hysteresis	$\leq 15\%$
Standard Target	30 x 30 x 1mm FE 360
Repeat Accuracy	0.3mm
Supply Voltage Range, $U_B$	10 - 30Vdc
Max. Ripple Current	$\leq 20\% U_B$
Output Current	$\leq 200mA$
Output Voltage Drop	$\leq 2.0V @ 200mA$
No-load Supply Current	$\leq 10mA$
Leakage Current	$\leq 0.1mA$
Switching Frequency	$\leq 200Hz$
Time Delay	$\leq 15msec$
Temperature Range	-25 to +85°C
Pressure Resistance	850p.s.i. / 600m depth

\* Correction Factors :-

Stainless Steel : 0.5 (1mm thick)
Stainless Steel : 0.9 (2mm thick)
Brass : 0.75
Aluminium : 0.9

Various other sensor specifications can be provided upon request. Please contact STS Subsea to discuss how this product can be tailored to meet your specific requirements.

**Right Angle Moulded Assembly - Dimensions:-**



**Response Diagram (Typical Values):-**

