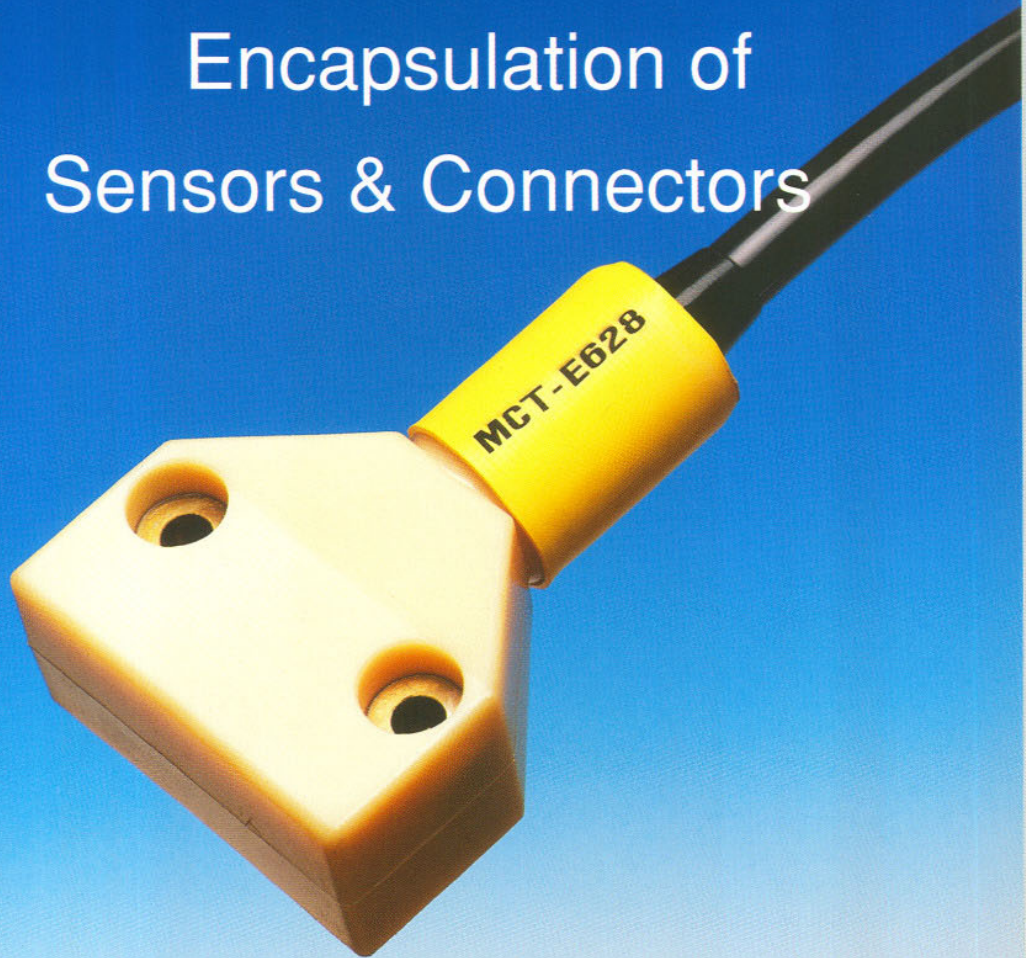


Encapsulation of Sensors & Connectors



Position indicator

- **Customer designed**
- **100% tested and inspected
in acc. to specifications**

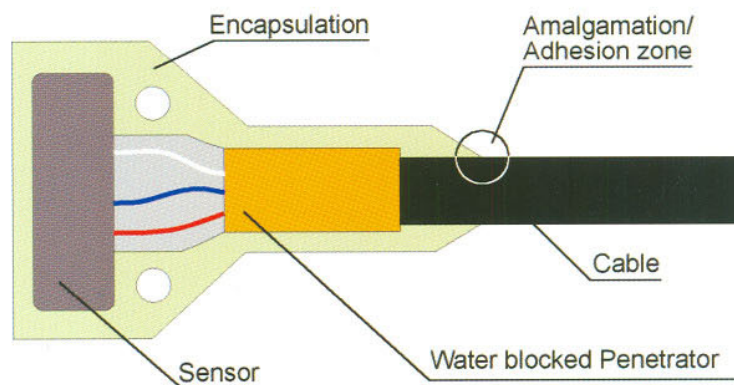
• **MANUFACTURE • SALES • PRODUCT INFORMATION**
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Tel: +46-455-45160 Fax: +46-455-451 28 www.mctbrattberg.se

Encapsulation of Sensors & Connectors

The encapsulation of inductive sensors and connectors are used to ensure a watertight seal.

Application dimensions and types of sensors and connectors are decided by the customer.

The sensors and connectors are currently used in different types of submarines.



Technical Data

<i>Hydrostatic pressure:</i>	Test pressure: 5 MPa (50 bar) or acc. to the specification
<i>Shock:</i>	Mechanical: 2000 g acc. to IEC 68-2-27 (1987) Hydrostatic: 213 bar / 6 ms
<i>Temp. range:</i>	Min. -40°C, Max. +70°C
<i>EMP:</i>	Peak 1 kA, raise and fall time 30 ns
<i>Longitudinal seal:</i>	Min. 10 cc/s air with 1 bar diff. pressure

Testing and inspection

- Dimension inspection and general investigation
- Inspection and test of cable termination and conductor connections.
- Radiographic examination of moulding
- Leak detection test
- Hydrostatic pressure test
- High voltage test
- Insulation resistance test
- Conductor continuity and function test
- Result verification and inspection report/certificate

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