Encapsulation of Sensors & Connectors

Position indicator

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

• MANUFACTURE • SALES • PRODUCT INFORMATION
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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.

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**Technical Data**

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

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**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