

*Electrode line bushings with threaded sleeve*

**Description**

In submersible sewage pumps, motor and pump assembly are often separated by an oil chamber sealed with mechanical seals.

To prevent motor malfunctions or breakdowns it is absolutely necessary to detect possible leakages of the shaft seals and to carry out maintenance works in due time. Our BARTEC electrodes help you solve this problem most cost effectively.

The electrode essentially consists of a threaded metal sleeve and a metal sensor rod forming one block by means of a creepage-proof insulation material. An appropriate evaluation unit indicates any existing leak or due maintenance in good time.

Depending on type and application, BARTEC electrodes can be used for temperatures from -25 °C to +150 °C, rising to short-term +180 °C. They can also be used under conditions that deviate from the following basic technical data.

**Technical data**

■ **Basic version**

**Nominal voltage**

DC 30 V

**Temperature range**

-25 °C to +80 °C

**Protection class**

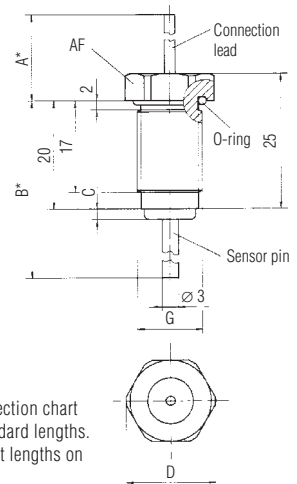
IP 68 to 6 bar

**Materials**

- Threaded sleeve: nickel-plated brass
- Sensor rod: brass
- Connection core: 0.75 mm<sup>2</sup>  
FEP-insulated
- Encapsulation: Epoxy resin
- O-ring: VITON

Versions deviating from the basic technical data on request.

**Dimensions**



**Selection chart**

Dimensions in mm							➔ Order no.
G	C	D	AF	A	B	O-ring	
M10 x 1	2	14.5	13	500	36	9 x 1.5	<b>37-9A05-1250/1000</b>
M12 x 1	2	16.5	15	500	36	10 x 1.5	<b>37-9A05-125B/1000</b>
M16 x 1.5	2	21.0	19	500	36	14 x 2	<b>37-9A05-125D/1000</b>