



### Level switch

468.450

■ **For Intrinsically Safe Systems in Accordance with the "Bergverordnung des Landesoberbergamtes Nordrhein-Westfalen"** (Regulations issued by the state mining authorities, West Germany)

**Mining test section certificate.No. T6014 - datet Nov.13,1978**

#### Application:

The level switch serves to monitor the level of liquids (minimum levels) and must be used for others than intrinsically safe aggregates.

#### Function:

The level switch consists of a brass tube hermetically sealed at the top and bottom, which contains a Reed contact in its bottom section. The brass tube is screwed into the wall of a tightly sealed distribution box (GG-20 grey cast iron). This box is equipped with a 6-pole terminal base for intrinsically safe circuits. A slide-type copper float equipped with a ring-type magnet in its upper section moves on the brass tube. The magnet closes the Reed contact when it has reached its lowest position, i.e. minimum liquid level. The Reed contact may only be used as a switching element for circuits in intrinsically safe systems.

#### Technical Data:

Explosion protection class in accordance with VDE 0170: (Sch)j  
 Protection type in accordance DIN 40050: IP54  
 Operating pressure max.: 3 bar  
 Temperature range: 0...80 °C  
 Total length with lead-in as specified in the order: ca. 215mm + L1  
 Total width: 125 mm  
 Weight at L1=300: 2,5 kg  
 To be connected to circuits in intrinsically safe systems only, operating on 42VAC.

Level switch 468.450 was subjected to the type approval test as specified in §11 of the "Bergverordnung des Landesoberbergamtes Nordrhein-Westfalen für elektr. Anlagen (BVOE) (Regulations of Nordrhein-Westfalen state mining authorities for electrical installations), dated 15.10.1971 / March 1, 1978.

This level switch complies with the requirements specified for its use in electrical equipment with intrinsically safe circuits.

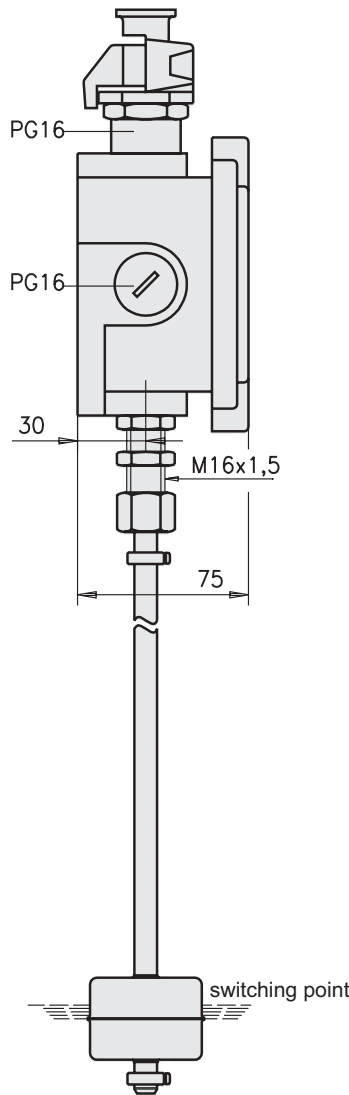
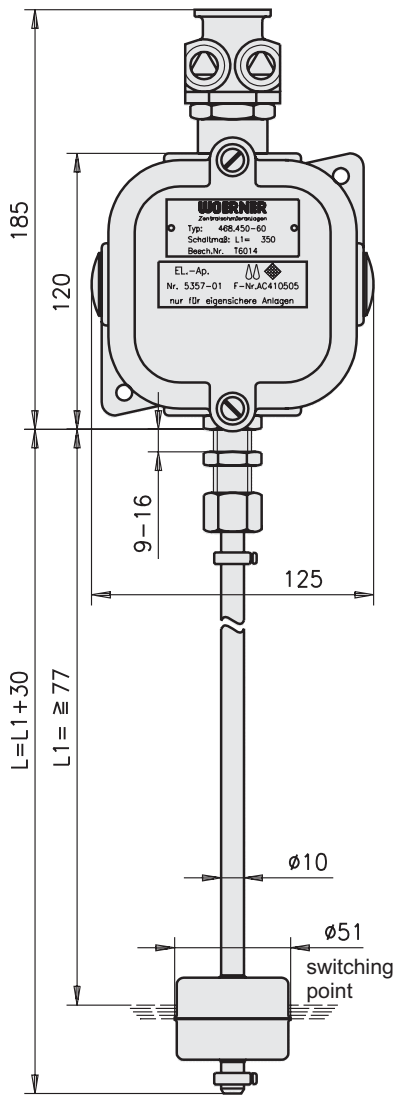
#### Order Designation:

Level switch  
468.450

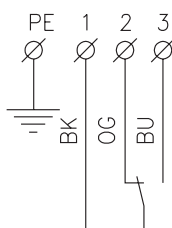
L1 = .....mm

468.450

1 switching point



#### Connection diagram



Wiring diagram at non-actuated contacts.  
Float beyond switching range.

#### Terminal block

