Damcos®

Data sheet

381-06xx

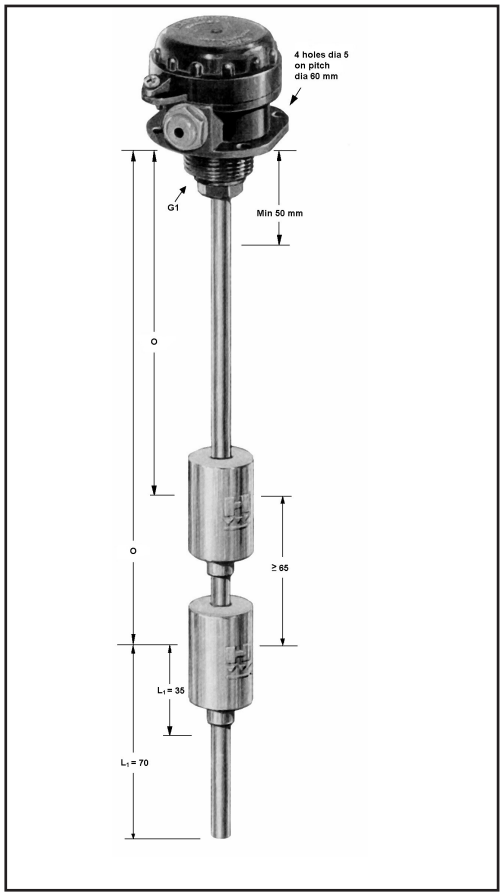
Level switch - type HMFP - Hemomatik

Description:

HMFP series level switches are equipped with polyamide 6 Junctions Boxes. The terminal provides for 6 connections plus ground.
G1 (=R1") thread and flange, with 4 holes of dia 5 mm on pitch dia 60 mm, are provided to accommodate installation as desired. The applicable nitrilrubber gasket is included.

Attention must be paid to the L1-dimension, especially when temperature switches are involved. The level switch assembly shall not touch the tank bottom.

Note:
Contact symbol O: Means NO low, NC going upwards.
L1 = 35 mm (level switch)
L1 = 70 mm (temperature switch)
Smallest distance between levels: 65 mm.



Ordering:

DKMS order no.:	Type:	Description:
381-0607	HMFB-O-550	25% level switch for T-200
381-0662	HMFB-O-315	25% level switch for T-400, T-100, 25%
381-0604	HMFB-O-250	50% level switch for T-100
381-0606	HMFB-O-350	50% level switch for T-200
381-0602	HMFB-O 210	50% level switch for T-400
381-0656	HMFB-OT-350	25% level switch incl. temp. 70°C for T-100
381-0657	HMFB-OT-550	25% level switch incl. temp. 70°C for T-200
381-0652	HMFB-OT-210	25% level switch incl. temp. 70°C for T-400
381-0705	HMFB-O-315 T80T65	25% level switch incl. thermal switch with 2 set points for T-100 - 65°C, 80°C
381-0710	HMFB-O-500 T80T65	25% level switch incl. thermal switch with 2 set points for T-200 - 65°C, 80°C
381-0715	HMFB-OT 270.65+80	25% level switch incl. thermal switch with 2 set points for T-400 - 65°C, 80°C

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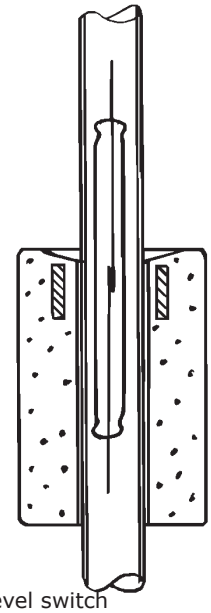
Working principle:

The float contains a magnet. It follows the fluid along the stem. The stem is a non magnetic material with 1 to 5 built-in reed switches. The magnet activates each reed switch for approx. 10 mm. This is called a passing switch. To assure that the contact status remains unchanged the stem is provided with a stop ring below respectively above the float. This allows to determine whether the level is rising or falling.
The definition for the contact status is with empty tank and with the thread mounted in the upwards position.



Level switch

Temperature switch:

Level sensors may be equipped with built in over temperature protection. Standard Temperature switches opens above +70°C ±5 and reset at +50°C ±10.

T = Is standard over-temperature protection.
Optional: Temperature switch with 2 set points (open at):

- T = 65°C ±10 reset at 45°C
- T = 80°C ±5 reset at 65°C ±10.

Temperature switch

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