Magnetic switch (reed switch)

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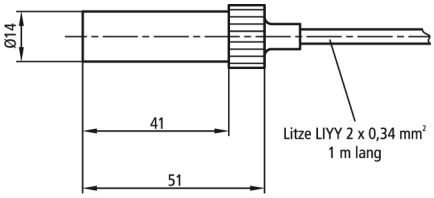
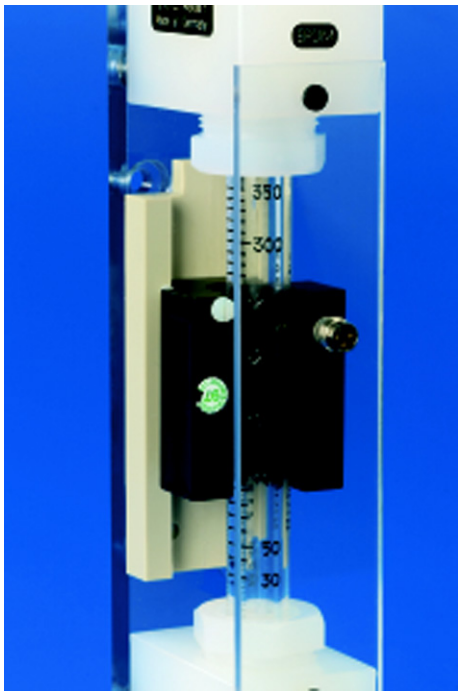
The float must have a magnetic core to be able to use a magnetic switch (ex-proof). Can be used on measuring tube diameters from 28 mm

Principle of operation:
The magnetic switch comprises a reed switch that is preloaded by a permanent magnet and is of a bistable design. The float with magnet opens the reed switch when it enters the alarm range and closes it again on leaving the alarm range. The switch position is retained even if the float moves a long way from the switch.

Article number:
4S7759KU6 = max. Kontakt
4S7759KU7 = min. Kontakt



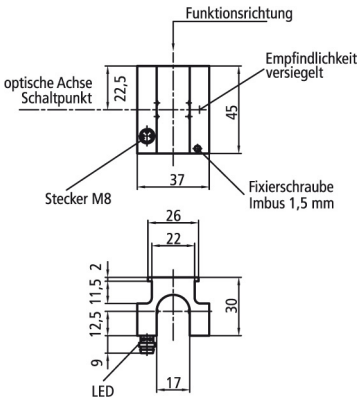

Photoelectric sensor

Photoelectric sensor

Using a photoelectric sensor it is possible, independent of the material used for the float (provided it is not transparent for infrared), to read the flow rate. Can be used for 10 and 17 mm measuring tube diameters.

Principle of operation:
The bistable sensor contains a double photoelectric switch. It is fitted to the measuring tube such that the arrow points upwards. The power supply and the output signal are connected using the 3-pin plug. If the float moves up through the switching point, the output changes its state to high and remains in this state until the float moves down through the switching point. The output then switches to low. After the device is switched on the float must pass through the sensor once to detect its starting position.

Technical data:

Voltage:	10 – 30 V DC
Switching current:	150 mA
IP-rating:	IP 65
Temperature:	0°C bis +60°C
Connection:	Stecker M8

Article number:
4S7759KU18