

Water alarm unit WW3 and WW10



The ingress of water into fluid power or lubrication systems reduces the life of oil significantly and causes damage to other components used in the systems .

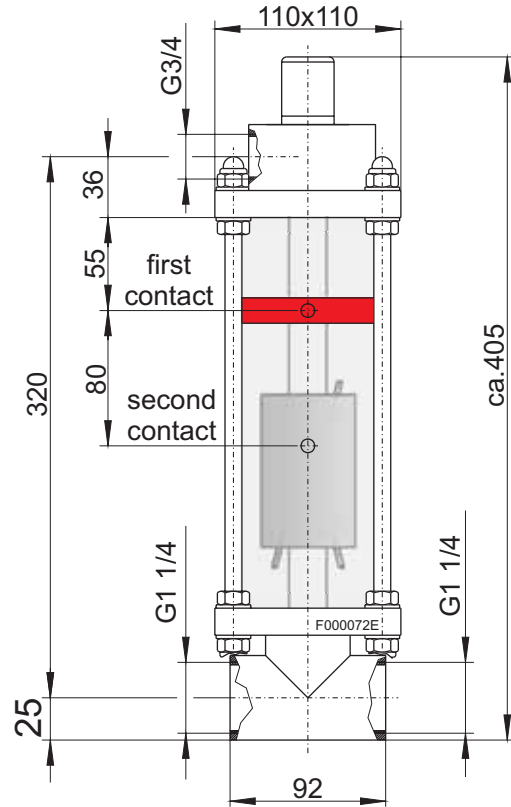
The most reliable method of detecting water in oil is to measure the interface level between water and oil when the water is separated. The BÜHLER water alarm units have a float which rises in water but sinks in oil. It only takes a build-up of around one litre water in the sight glass to elevate the float and actuate a first contact to signal danger. The secondary contact warns that there is water in the tank.

Water alarm units for intank installation are available upon request.

- **reliable physical measuring system**
- **high sensitivity**
- **easy installation**
- **independent of oil chemistry**

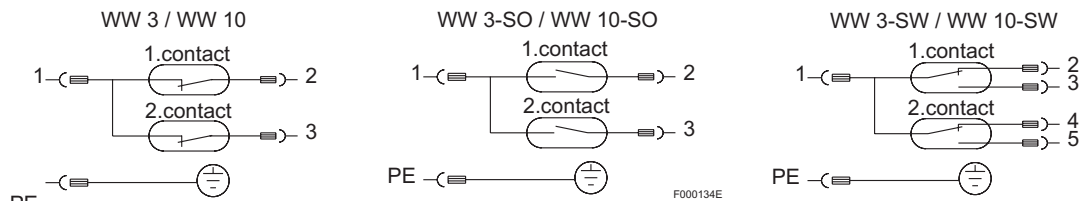
technical data

types	WW3 und WW10
max. operating pressure	WW3 = 3 bar WW10 = 10 bar
operating temperature	max. 80°C min. 0°C
ma. viscosity range	1200 mm ² /s
material	
housing	WW3 = transparent casing WW10 = steel casing
float	PP
contacts	reed contacts, 2x contacts as a NC, NO* or change over (see also wiring diagram)
max. operating voltage	230 V AC/DC
max. rupturing capacity	
NC / NO *	50 VA (AC) / 50 W (DC)
change over	40 VA / 40 W
max. current	1 A
Connector	S6
	6 pol. + PE DIN 43650
protection class	IP 65
cable gland	PG 11
weight	WW3 = 6 kg WW10 = 8 kg



*NO=normally open / NC=normally closed

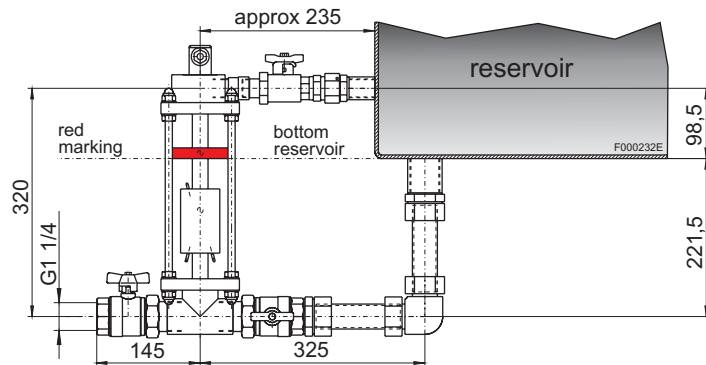
wiring diagramm



All figures at **empty reservoir** (float on bottom).

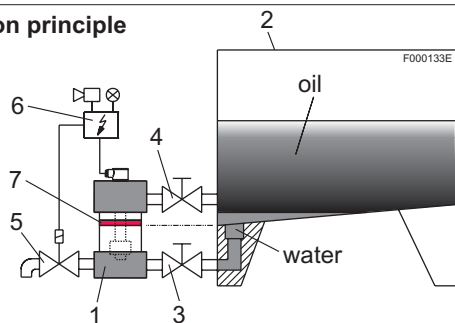
assembly kit

The assembly kit enables a compact and easy installation of the water alarm unit to the oil reservoir. The set comprises all connections, fittings and shut off valves. The fittings provide a very small "dead" volume. To be supplied with two welding fittings for installation at reservoir.



order information assembly kit
part-no. 3101999

installation principle



1. water alarm unit
2. oil reservoir
3. lower shut off valve
4. upper shut off valve
5. drain valve
6. control unit / control of signal
7. red marking

order information

type	WW3-SS	WW3-SO	WW3-SW	WW10	WW10-SO	WW10-SW
part-no.	3001999	3002999	3009999	3005999	3006999	3000999