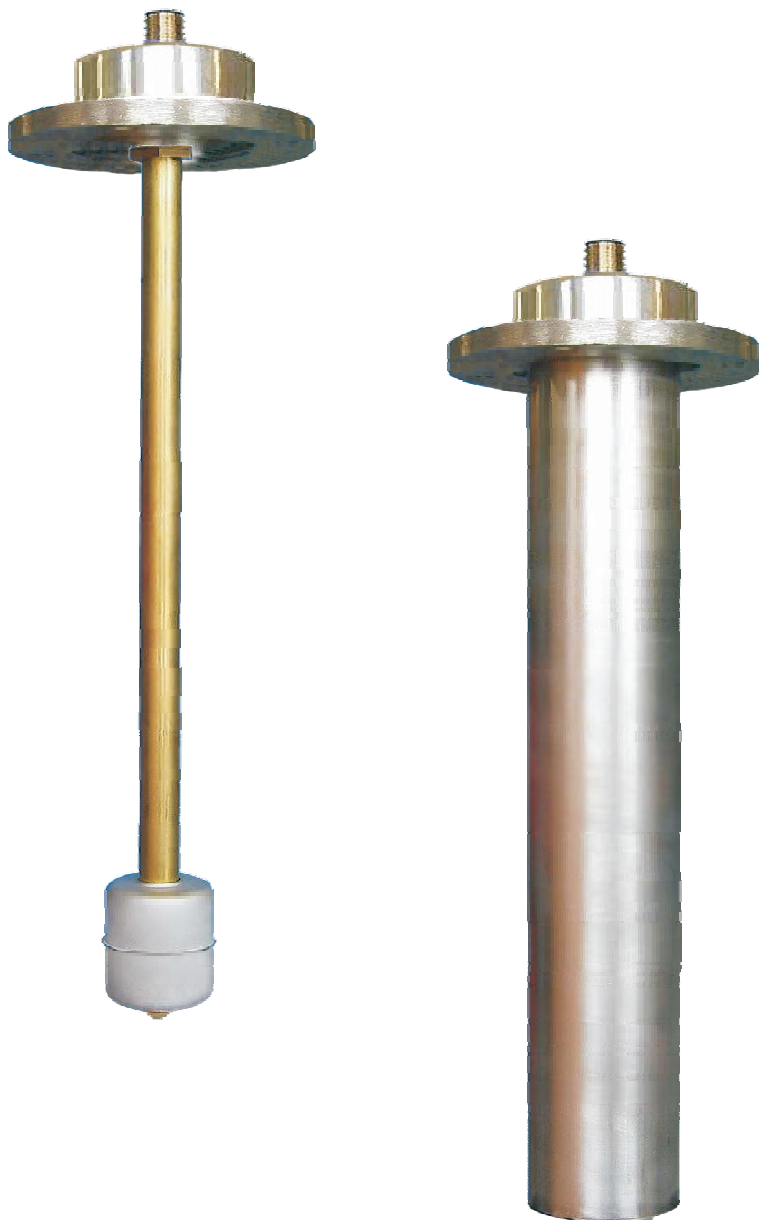




Analog: 4 - 20mA



- Subject to modifications -

Level switch KFR-E

4-20mA

- Analog level and temperature
- With- / without surge protection
- Drill pattern according to
- DIN 24557/T2

Application:

For level detection of liquids and temperature monitoring in reservoirs.

Analog - Function:

The sliding tube contains the resistance measuring chain (contact distance: 7.5mm) for the continuous measurement of the fluid levels.

The contacts are switched by the permanent magnet, integrated inside of the float. A resistance thermometer (PT 100) for temperature monitoring is also mounted inside the sliding tube.

Transducers convert the level and temperature signal into a linear current change of 4...20mA.

General Technical Data:

Operating pressure at max:	8 bar
Temperature range:	0...90 °C
Insertion position:	vertically ± 20 °
Material:	
Pipe ø 18:	Cu-alloy
Pipe ø 60:	AL-alloy
Float, stainless steel:	1.4571
Flange:	AL-alloy
Sealing:	Abil
Protection type:	IP 65
Weight at L=300:	0,45 kg
Weight / 100mm excess length:	0,05 kg
Supply voltage:	10...30VDC
Ripple max.:	1%

Technical Data of - PT 100:

Temperature measurement range: 0...100°C

Outlet:	4...20mA
	0°C 4mA
	100°C 20mA

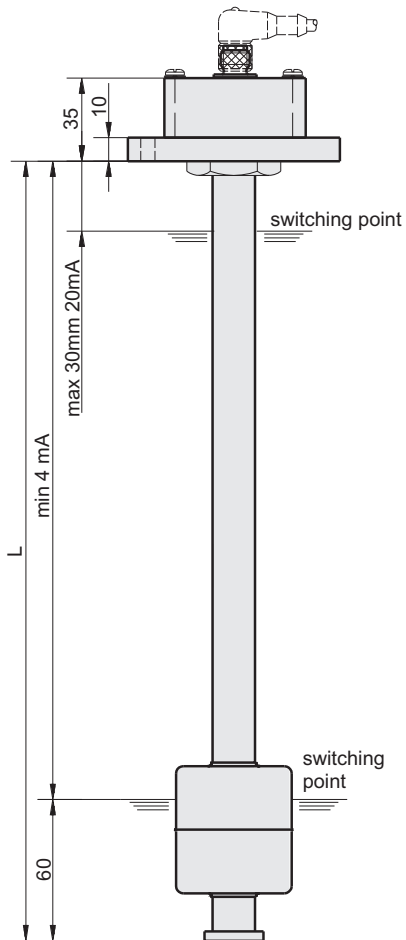
Technical Data of - Reed - measuring system:

Resolution :	7,5mm
Outlet:	4...20mA
	Lmin 4mA
	Lmax 20mA

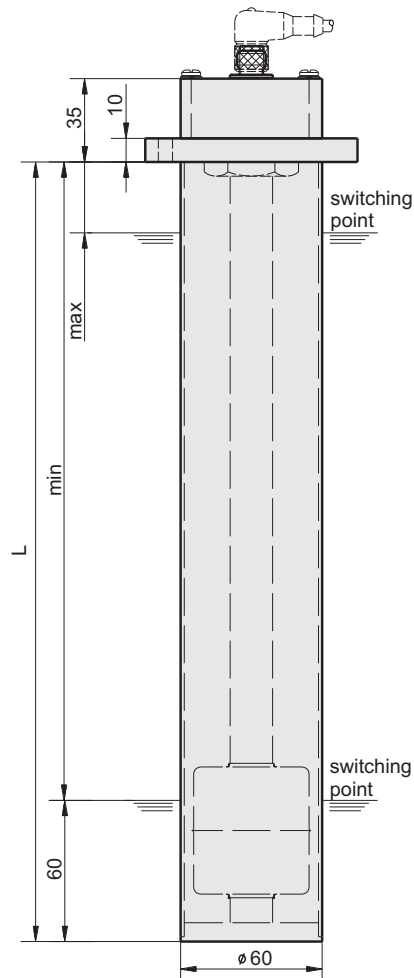
Working resistance max.: (U-7,5V) 20mA



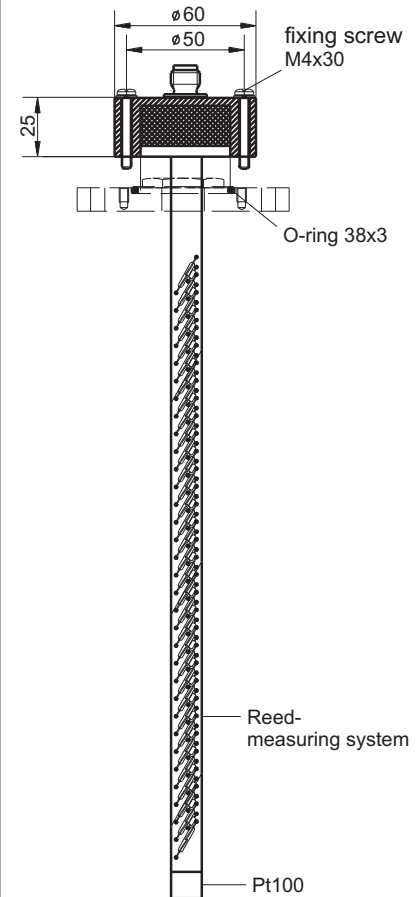
KFR-E analog
without surge protection



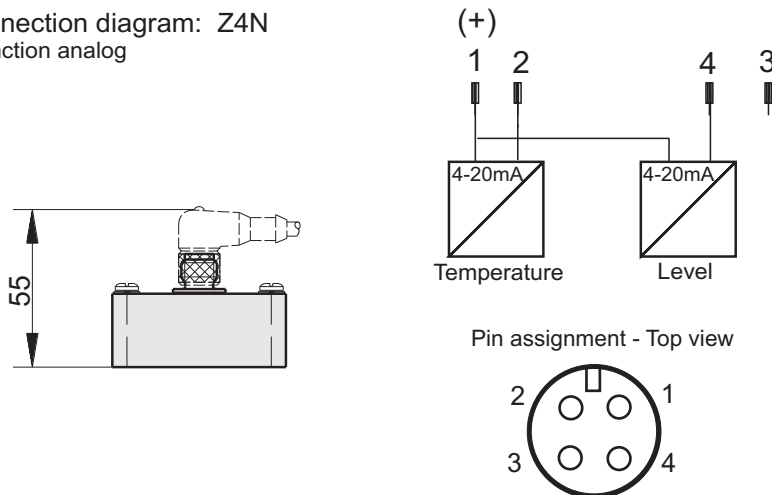
KFR-E analog
with surge protection



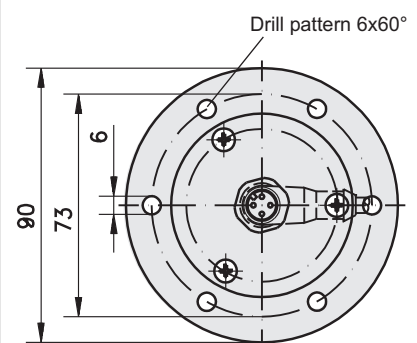
KFR-E analog-cartridge



Connection diagram: Z4N
2 function analog



Top view



- Subject to modifications -



Order for example:

Level switch with surge protection

Reed-measuring system, temperature

Plug in connection M12

Total length 500mm

KFR-E/B/M/A/100/Z4N/500

- Subject to modifications -

Order designation:

Level switch



Float	Surge-protection	Reed-measuring system	Temperature PT 100	Plug in connection without cablebox	Length L [mm]
(B) Stainless steel	(N) without (M) with	Analogue (A)	without (N) Analogue 0 ÷ 100°C (A100)	M12x1 4pol. (Z4N)	The following length are available 280 370 500 800 State in the order

