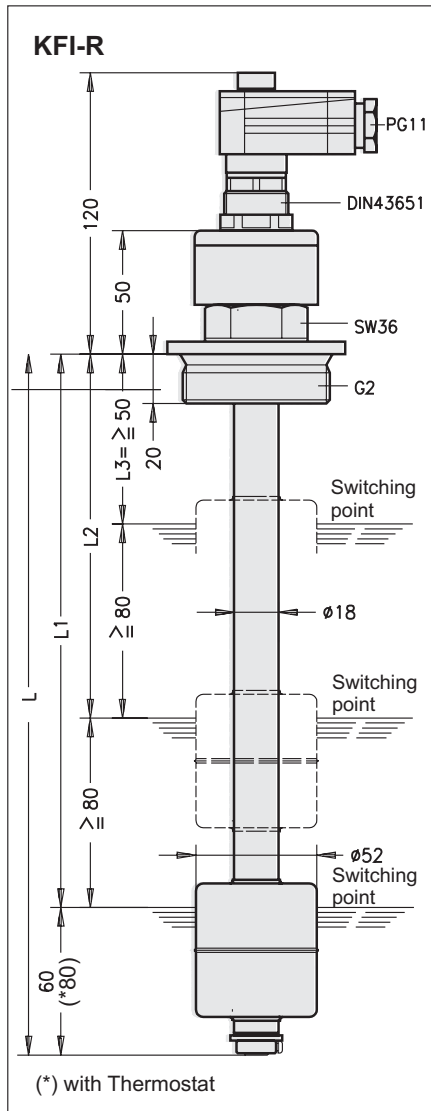
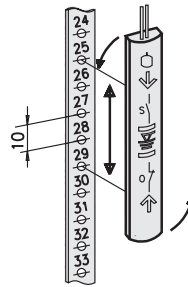




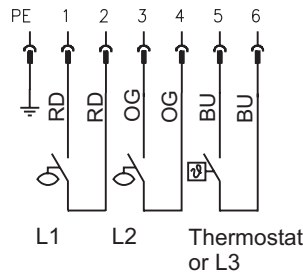
- Subject to modifications -



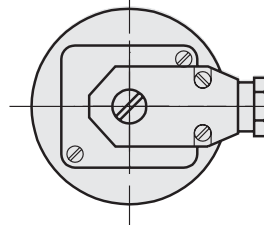
**Switching element**



**Wiring diagram**



**Top view**



**Level switch KFI-R**

- Stainless steel version 1.4571
- Max. 3 level switching points
- Max. 2 level switching points and 1 Thermostat
- Switching points adjustable separately
- Plug-in connection DIN 43651

**Application:**

For liquids level detection in reservoirs and agent temperature monitoring.

**Level Switch - Function:**

In the conductor piece there are 3 switching elements at maximum which are latched into a hole strip at hole distances of 10mm each. The switching function is bistable. When turning the contacts by 180°, the switching function can be reversed (opening contact becomes closing contact and vice versa).

The switching elements can be subsequently changed in their switching functions and replaced by loosening the cap screws.

**Thermostat - Function:**

Upon reaching the firmly set response temperature, a bimetal disk that can be influenced by the temperature will switch (see Order designation). The thermostat is situated in the lower part of the conductor piece and can be exchanged.

**Technical Data:**

Operating pressure max.: 8 bar  
 Temperature range: 0...80 °C  
 Mounting position: vertically ± 20°  
 Material: tube, flange, float: 1.4571  
 Protection type: IP 65  
 Plug-in connection: DIN 43651  
 Weight at L=300: 0,65 kg  
 Weight/ 100mm excess length: 0,05 kg

**Technical Data - Switching element:**

Switching voltage: 10...250 VUC  
 Switching current max.: 0,5A  
 Switching capacity max.: 40/60 W/VA

**Technical Data - Thermostat:**

Switching voltage: 10...250 VUC  
 Switching current max.: 6,3A(Cosφ0,6)  
 Response tolerance: ±6%  
 Hysteresis at max.: 18°C

For inductive and capacitive loads, suppressor circuits shall be provided for. (Diode, RC element, varistor)

Order designation:

Level switch



Switching functions			Thermostat or		Lengths [mm]				
L1 switching point down level decreasing		L2 switching point middle level decreasing		L3 switching point up level decreasing		L	L1	L2	L3
without	(N)	without	(N)	without	(N)	state in the order			
Opener	(O)	Opener	(O)	Opener	(O)				
Closer	(S)	Closer	(S)	Closer	(S)				
				Opener 63°	(063)				
				Opener 71°	(071)				
				Opener 80°	(080)				