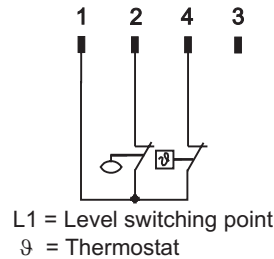


- Subject to modifications -

Wiring diagram



Switching function at order designation

Level switch KFS-E

- Plug-and socket connection
4pol. M12x1
- One switching point for level monitoring
- One switching point for temperature monitoring
- Simple installation
- Small size

Application:

Monitoring of levels and of temperatures of liquids.

Function - Level switch:

The Reed contact is switching when the float reaches the switching point L1.

Function - Thermostat A:

A bimetal disc which can be influenced by temperature is switching as soon as the adjusted switching temperature is reached. Various switching temperatures are available. (See order designation)

Technical Data - General:

Operating pressure max.: 1 bar
 Temperature range: 0...90 °C
 Mounting position: vertical ± 10 °
 Material:
 Tube and thermostat: copper alloy
 Float: polyurethane
 Flange: aluminium alloy
 Sealing: NBR
 Protection type: IP 65
 Protection class: II (protection insulated)
 Plug-in connection: M12x1; 4pol.
 Weight at L=300: 0,16 kg

Technical Data - Reed-Contacts:

Switching voltage max.: 30 VDC
 Switching current max.: 0,25 A
 Switching capacity max.: 3 W

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

Technical Data - Thermostat A:

Switching voltage max.: 30 VDC
 Switching current max.: 1,0A at 6...30 VDC
 Cycles of operations max.: 10000
 Tolerance of rated temperature: ± 6 %
 Hysteresis: min 9 °C
 max 25 °C
 Temperature changing speed max.: 1 K/min

Cable jack: Not a part of the delivery extent

Order Designation:

Level switch



Flange	Switching functions L1 at descending level	Switching functions thermostat	Type of thermostat	Switching length L1 [mm]
M20x1,5 G1/2	Opener	Opener at 63°C Opener at 70°C Opener at 80°C	Universal	state in the order