



#### Technical data Reed contact:

Switching voltage at male Z3/Z6A:

male Z3/Z6A: max. 250 VUC
male Z5/Z8: max. 30 VDC
Switching current: max. 0,5A
Switching power: max. 30 W/VA

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

# Technical data thermostat B 30 VDC:

Switching voltage: max. 30 VDC
Switching current: max. 2 A
Tolerance of rated temperature: ±4 K
Switching hysteresis: approx. 2 K
Temperature

changing speed: max. 1 K/min

## Technical data thermostat C 250 VUC:

Switching voltage: max. 250 VUC
Switching current: max. 2A
Tolerance of rated temperature: ±5 K
Switching hysteresis: ±2 ... 10 K

Temperature

changing speed: max. 1 K/min

#### Level switch KFA-V

- max. three bistable switching points for level monitoring
- One switching point for temperature monitoring
- Simple installation
- Small size
- Float made from stainless steel 1.4541

#### Application:

Monitoring of levels and temperatures of liquids.

#### Function - level switch:

When the level decreases and the float reaches the switching points, the contacts will be actuated magnetically. The switching positions of the contacts are maintained until the float moves over them again by virtue of the raising level.

Example NC contact:

Level

under the switching point: Contact open over the switching point: Contact closed

## Function - thermostat:

A bimetal disc which can be influenced by temperature is switching as soon as the adjusted switching temperature is reached. Thermostates with various switching temperatures and voltages are available (see order designation).

## Technical data general:

Operating pressure: max. 1 bar
Ambient temperature: -20 ... +80 °C
Medium temperature: 0 ... 90 °C
Medium density: >0,9 g/cm³
Mounting position: vertical ±10°

Material:

Brass or stainless steel thermostat: Float: Stainless steel Flange: Brass or stainless steel Seal: FPM Protection class: DIN EN 60529 IP65 see order designation Male: Weight at L=300: 0,16 kg Viscosity: max. limit 800 cSt

This float is suited for synthetic oils, mineral oils, glycoles, esters as well as biological oils. It can also be used for fuels. (Mind Exprotection!)

at operating temperature

For operation in inherently safe electric systems see data sheet P0468.

Level switch KFA-V

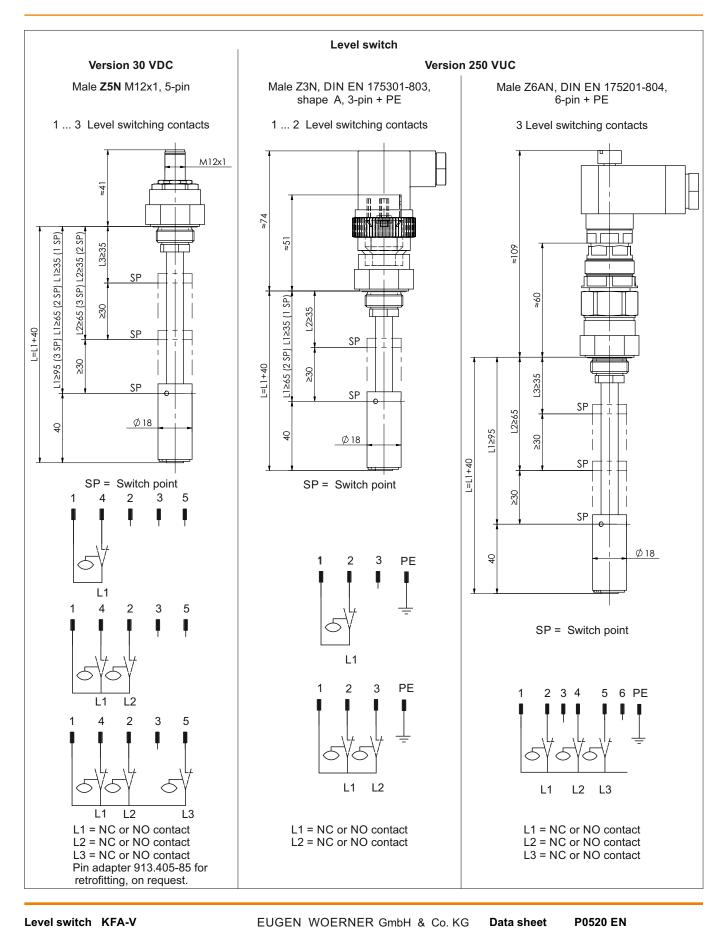
EUGEN WOERNER GmbH & Co. KG Hafenstraße 2 DE-97877 Wertheim

+49 9342 803-0 info@woerner.de www.woerner.de

Data sheet Replaces **P0520.07.22 EN** P0520.03.18 EN

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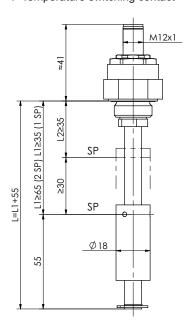


### Level - Temperature switch

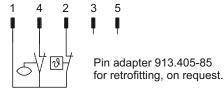
#### Version 30 VDC

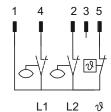
Male **Z5N** M12x1, 5-pin

1 ... 2 Level switching contacts 1 Temperature switching contact



SP = Switch point

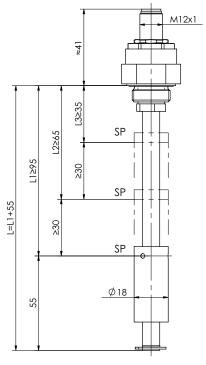




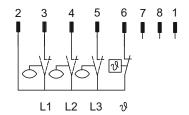
L1 = NC or NO contact L2 = NC or NO contact  $\vartheta$  = Temperature NC contact

Male **Z8N** M12x1, 8-pin

3 Level switching contacts 1 Temperature switching contact

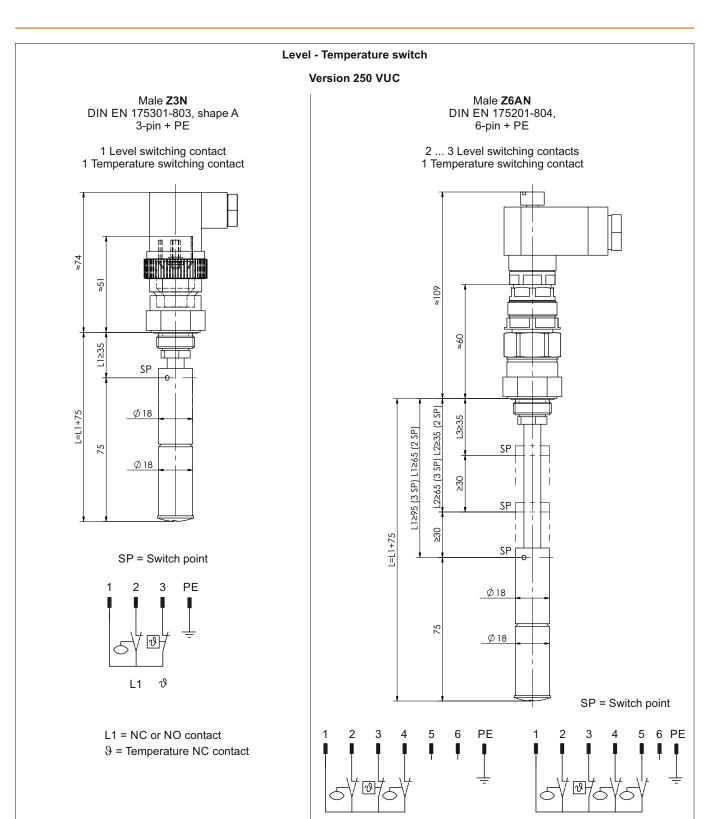


SP = Switch point



L1 = NC or NO contact L2 = NC or NO contact L3 = NC or NO contact  $\vartheta$  = Temperature NC contact





L1

v L2

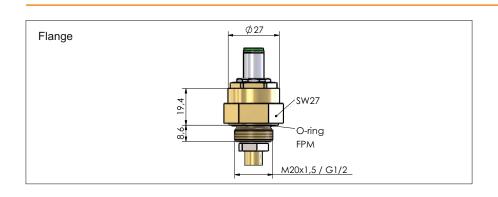
L1 = NC or NO contact L2 = NC or NO contact L3 = NC or NO contact V

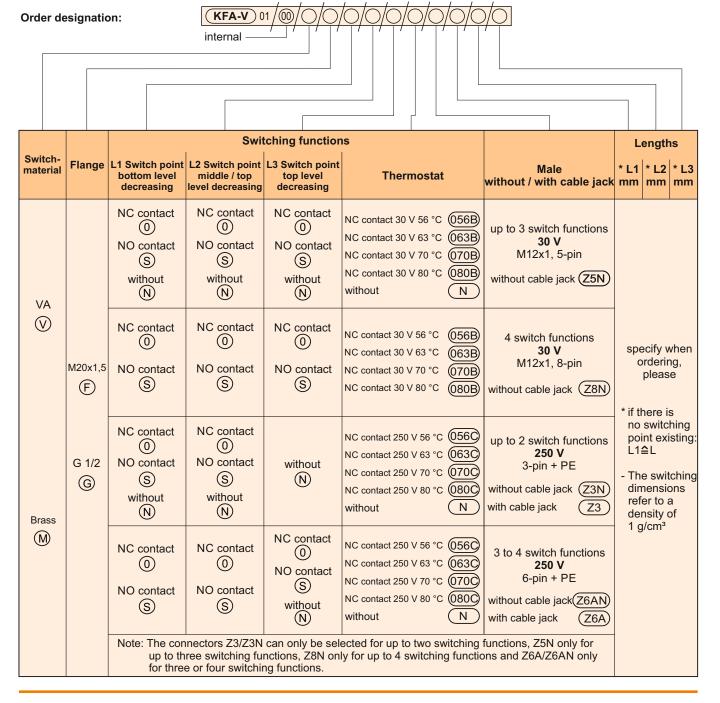
L2 L3

L1

 $\vartheta$  = emperature NC contact (option)









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