

Technical data Reed contact:

Switching voltage at	
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.2A
Tolerance of rated tempe	rature: ±4 K
Switching hysteresis:	approx.2K
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 temperate	ure: ±5K
Switching hysteresis:	2 10 K
Temperature	
changing speed:	max. 1 K/min

WOERNER Lubrication Experts since 1922

Level switch KFA-A

- max. three bistable switching points for level monitoring
- One switching point for temperature monitoring
- Simple installation
- Small size
- PUR float

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	e: -20 +80 °C
Medium temperature	e: 090°C
Medium density:	>0,7 g/cm ³
Mounting position:	vertical ±10°
Material	
Tube and thermo	stat: Brass
Float:	Polyurethane foam
Flange:	Brass
Sealing:	FPM
Protection class:	DIN EN 60529 IP65
Male:	See order designation
Weight at L=300:	0,16 kg

This float is suited for mineral oils and water. If it is to be used with other media, user should check the float's compatibility, if necessary.

For operation in inherently safe electric systems see data sheet A0905.

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Transportation of gases, liquefied gases, gases under pressure, vapours and liquids, the vapour pressure of which is more than 0,5 bar above normal atmospheric pressure (1013 mbar) at the maximum admissible temperature, of easy inflammable or explosive media as well as transportation of foodstuffs is forbidden.

Information on EU Directive 2011/65/EU (RoHS)

In its controls and switching devices, WOERNER only uses materials which fulfil the criteria of EU Directive 2011/65/EU. To the extent that hexavalent chromium has been used as corrosion protection in the parts which we produce ourselves, it has already been replaced by other environmentally tolerable protective measures.

The mechanical devices supplied by WOERNER are not affected by EU Directive 2011/65/EU.

But as WOERNER is conscious of its responsibility towards the environment, we shall also use materials fulfilling the requirements of the Directive for devices not covered by EU Directive 2011/65/EU as soon as they are generally available and their use is technically possible.