



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

Order designation:

KFI-G/B			
Switching functions		Switching measure	
L1 lower switch-point	L2 upper switch-point	L1 mm	L2 mm
D.T. switch (change-over switch) (W)	not applicable at one switch-point D.T. switch (W)		not applicable at one switch point

## Level switch KFI-G

- according to directive Germanischer Lloyd
- **Stainless steel-float:** This float is suited for synthetic oils, mineral oils, glycoles, esters as well as biological oils. It can also be used for fuels. (mind Ex-protection!)

## Application:

Switch for monitoring and controlling the filling levels in oil and hydraulic reservoirs.

## Function:

The guide tube of the level switch contains one or two Reed contacts, depending on the design, which are activated by the magnetic field of a permanent magnet located in the float.

## Technical data general:

Operating pressure:	max. 3 bar
Medium temperature:	-20 ... +130 °C
Ambient temperature:	-20 ... +80 °C
Mounting position:	vertical ±22,5°
Material	
Connection casing:	GD-AISi12 sea-water resistant
Flange:	Brass
Guide tube:	Brass
Float:	1.4571
Weight at L1=300:	approx. 1,0 kg
Maximum length:	400 mm
Cable union	
acc. to DIN 46320	
with self-cutting	
packing washer:	Pg13,5
Protection type:	DIN EN 60529 IP65

## Technical data Reed contact:

Switching function:	D.T. switch
Switching voltage:	10 ... 230 VUC
Switching current:	max. 0,5 A
Switching capacity:	max. 40/60 W/VA

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

## Level switch KFI-G

EUGEN WOERNER GmbH & Co. KG  
Hafenstrasse 2 DE-97877 Wertheim  
Tel. +49 9342 803-0 info@woerner.de  
Fax +49 9342 803-202 www.woerner.de

Data sheet P0405.11.18 EN  
Replaces P0405.12.15 EN

### Important information about this data sheet

Reproduction, also in extracts, only permitted with the approval of the firm of EUGEN WOERNER GmbH & Co. KG.

All the information in this data sheet has been examined for correctness with great care. Nevertheless, WOERNER cannot assume any liability for losses or damage resulting directly or indirectly from the application of the information contained in this data sheet.

All products from WOERNER may only be used as intended and corresponding to the information in this data sheet.

For products supplied with operating instructions, the additional directives and information contained in them are to be complied with.

Materials deviating from those mentioned in this data sheet and the technical documents which further apply may only be poured into and processed in the appliances and systems manufactured and supplied by WOERNER by following agreement with and written approval by WOERNER.

The safety and danger information stated in the safety data sheets of the substances used must be taken into account at all costs.

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 2011/95/EU (RoHS)

In its controls and switching devices, WOERNER only uses materials which fulfil the criteria of EU Directive 2011/95/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 2011/95/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 2011/95/EU as soon as they are generally available and their use is technically possible.

- Subject to modifications -