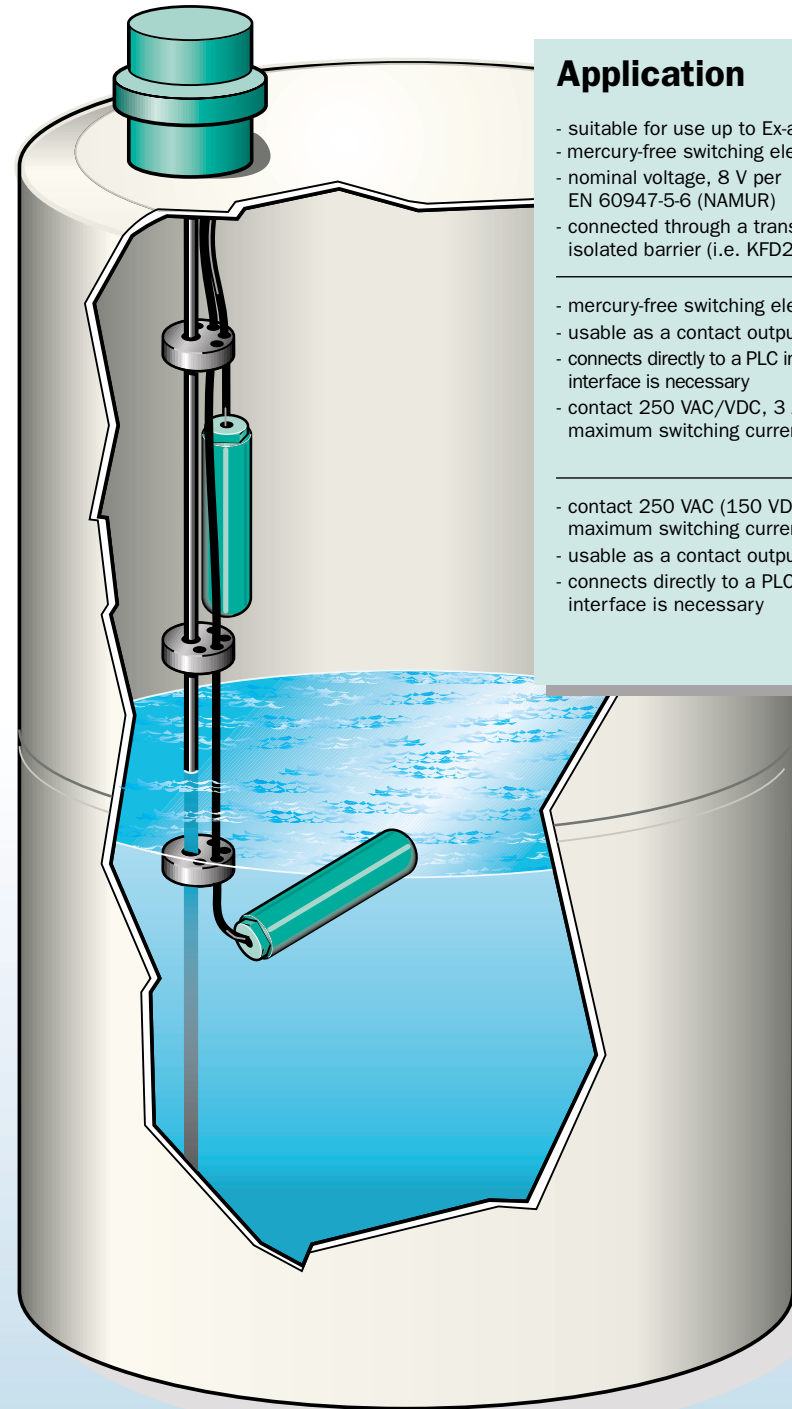


# Pepperl+Fuchs offers a wide range of float switches:



## Application

- suitable for use up to Ex-area zone 1
- mercury-free switching element
- nominal voltage, 8 V per EN 60947-5-6 (NAMUR)
- connected through a transformer isolated barrier (i.e. KFD2-SR...)

- mercury-free switching element
- usable as a contact output
- connects directly to a PLC input, no interface is necessary
- contact 250 VAC/VDC, 3 A maximum switching current

- contact 250 VAC (150 VDC), 4 A maximum switching current
- usable as a contact output
- connects directly to a PLC input, no interface is necessary

## Design

### 1 Proximity switch



### 2 Micro switch



### 3 Mercury switching contact



## Float type

### CK Cylinder Type

- for small mounting diameters
- mounting through G1 hole

### BK Ball type

- high buoyancy for fluids with low density

## Electrical Design

- N** with switching element 1 proximity switch per 2-wire EN 60947-5-6 (NAMUR)
- connected with a transformer isolated barrier suitable for use in Ex-area zone 1

- Z1** Normally open contact
- Zo** Normally closed contact
- for DC applications 6 V DC ... 60 V DC

- WÖ** Normally open contact
- WS** Normally closed contact
- for AC applications 250 V AC

- U** with switching element 2 Micro switch or switching element 3 Mercury switching contact
- AC, DC**
- for AC and DC applications 250 V AC/150 V DC

Your Order Number:

LFL □-□□-□□-□□-□□

## Cable Housing Material

- PVC** - resists waste water and aggressive liquids
- PUR** - resists fuel and greasy liquids
- CSM** - resists most acids and lyes

## Cable length

- 3** - 3 meters
- 5** - 5 meters
- 10** - 10 meters

## Pepperl+Fuchs Level Control Products

Pepperl+Fuchs offers a wide range of level control products with hydrostatic pressure sensors, magnet-operated immersion probes, pipeline probes, conductive probes, vibration forks, float switches and electrodes for field measurements. Our selection of level control devices offers a solution for all your measurement requirements.

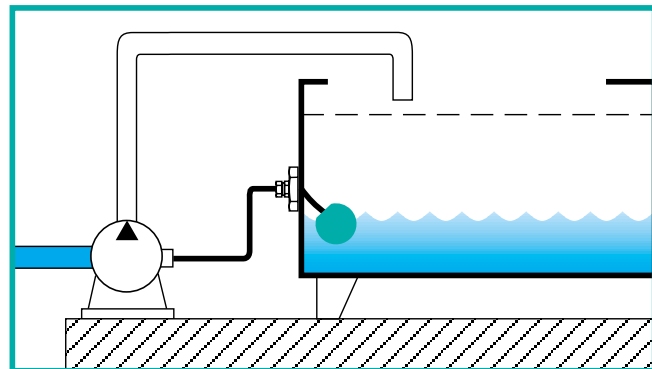
## Float Switches – Simple and Economical

Float switches are one of the most reliable and economical methods for monitoring simple level control applications.

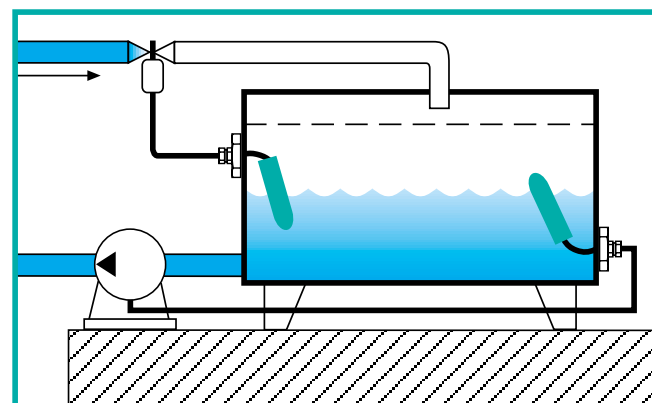
## Quality and Standards

All products comply with national (DIN) an international (EN; IEC) standards. Our ISO 9001 quality assurance system insures product quality.

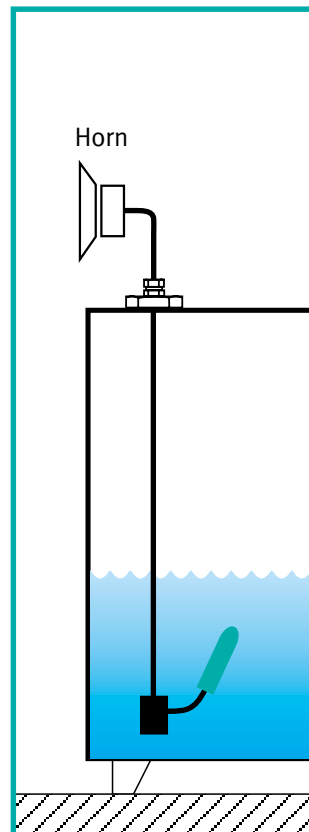
## APPLICATIONS



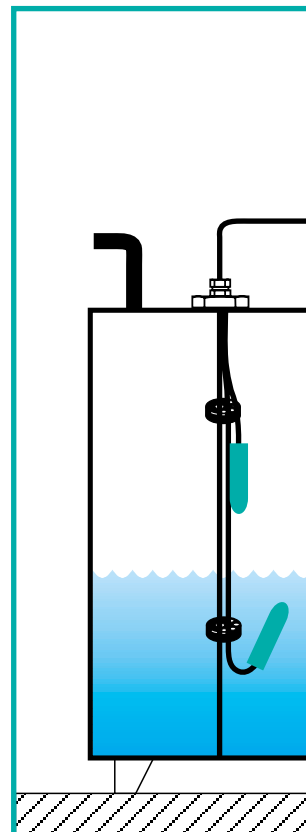
Controls pumps or valves with one float switch



min./max. limit control



Alarms



Controls pumps or valves with float switches

## ACCESSORIES

### Accessories float switches

#### Cable gland:



Thread	Material	Order-No.
G1A	PVC	LFL-Z 131
G1A	brass	LFL-Z 132
G2A	PVC	LFL-Z 161

#### Lock nut:

G1A	PVC	LFL-Z 231
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#### Counterweight:

for G2		LFL-Z 32
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### Additional Accessories

Pepperl+Fuchs offers signal conditioners, transformer isolated barriers, displays, connection boxes and a variety of special cables.

For a complete listing of our accessories, refer to our catalog "Field Devices for Process Automation" or our CD-ROM.

## The Pepperl+Fuchs Group

### USA Headquarters

Pepperl+Fuchs Inc. · 1600 Enterprise Parkway  
Twinsburg, Ohio 44087-2202 · Cleveland-USA  
Tel. (330) 4 25 35 55 · Fax (330) 4 25 93 85  
e-mail: [sales@us.pepperl-fuchs.com](mailto:sales@us.pepperl-fuchs.com)

### Asia Pacific Headquarters

Pepperl+Fuchs Pte Ltd. · P+F Building  
18 Ayer Rajah Crescent · Singapore 139942  
Tel. (65) 7 7990 91 · Fax (65) 8 7316 37  
e-mail: [sales@sg.pepperl-fuchs.com](mailto:sales@sg.pepperl-fuchs.com)

### Worldwide Headquarters

Pepperl+Fuchs GmbH · Königsberger Allee 87  
68307 Mannheim · Germany  
Tel. +49 621 7 76-0 · Fax +49 621 7 76-10 00  
<http://www.pepperl-fuchs.com>  
e-mail: [pa-info@de.pepperl-fuchs.com](mailto:pa-info@de.pepperl-fuchs.com)

 **PEPPERL+FUCHS**



## PRODUCT OVERVIEW

## FLOAT SWITCHES



# PROCESS AUTOMATION

 **PEPPERL+FUCHS**