

Float switch

361 TEA

with extraction and return pipe

- + Direct tank filling and extraction
- + Reliable measuring method with long lifetime due to contact-free reed technology
- + No calibration necessary
- + Switching points with 10mm to 35mm spacing
- + Not influenced by temperature fluctuation
- + Wide variety of connector types
- + Integrated tank air vent
- + Optional filter directly on the suction pipe
- + Simple installation
- + Customer-specific alignment of connections possible

Use

Thanks to the extraction and return pipes, the float switch is well suited for use in fuel and water tanks. The float switch can be mounted simply to the tank with the coupling ring. The aeration and de-aeration of the vehicle tank can also be performed by the 361 TEA.

Variants

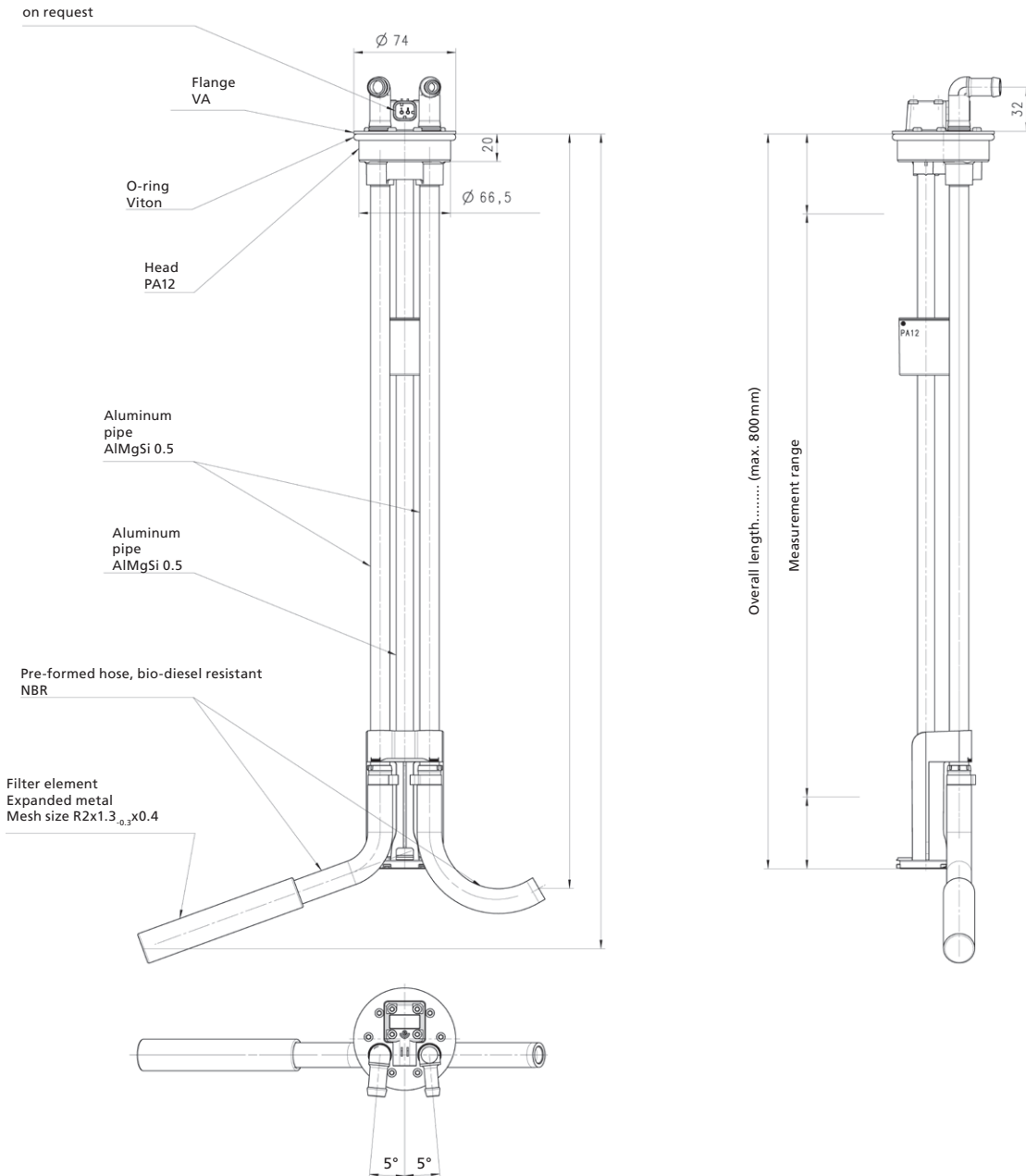
The float switch 361 TEA offers many options. In addition to the optional filter on the suction pipe, spacings can be defined in steps of 10mm for the individual switching points. Connectors can be aligned to customer requirements. The length can be selected freely up to 800mm in accordance with the tank geometry.



The relevant corresponding technical documents will be supplied with the product.

Certain product descriptions can be similar therefore please ensure that you have the latest version of documentation for your specific product prior to any use. elobau reserves the right to change technical data and documentation without notice.


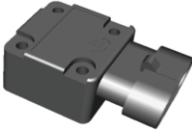






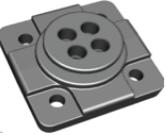




Mechanical assembly



Installation dimensions

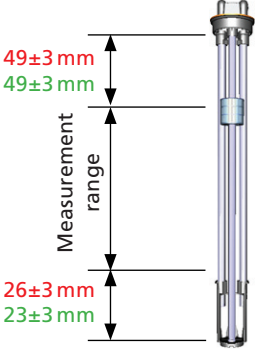
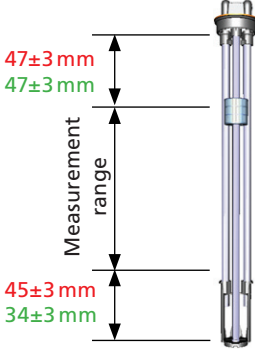
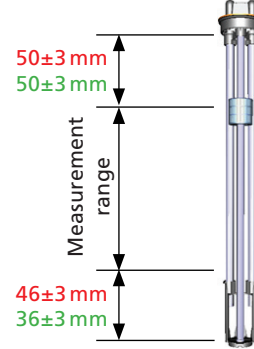
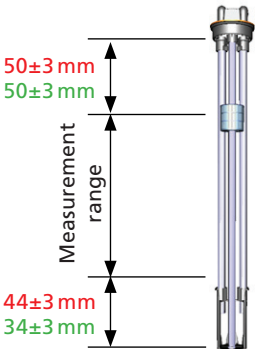
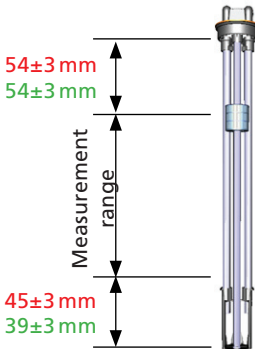
Installation length	pipe length max. 800 mm
Mounting	coupling ring buttress thread S80 x 4 DIN 513
Head diameter	74 mm
Assembly height	approx. 35 mm from sealing surface
Installation	hanging

Connector types

Angled connectors				
AMP Superseal, 1.5 2-pin	AMP Superseal, 1.5 3-pin	AMP Seal, 16 2-pin	AMP Seal, 16 3-pin	Metri-Pack 150.2, 2-pin
				
available	available	available	available	available
Angled connectors	Straight connectors			
DT04, 2-pin	Cable outlet	M12 connector		
				
available	available	available		
Straight connectors				
Wire/shaft pipe outlet	AMP Superseal, 2-pin	AMP Superseal, 3-pin	DT04, 2-pin	DT04, 3-pin
				
available	available	available	available	available

Switching points

R_{max} top, R_{max} bottom

10mm spacing	20mm spacing	25mm spacing
 <p> 49 ± 3 mm 49 ± 3 mm Measurement range 26 ± 3 mm 23 ± 3 mm </p>	 <p> 47 ± 3 mm 47 ± 3 mm Measurement range 45 ± 3 mm 34 ± 3 mm </p>	 <p> 50 ± 3 mm 50 ± 3 mm Measurement range 46 ± 3 mm 36 ± 3 mm </p>
30mm spacing	35mm spacing	
 <p> 50 ± 3 mm 50 ± 3 mm Measurement range 44 ± 3 mm 34 ± 3 mm </p>	 <p> 54 ± 3 mm 54 ± 3 mm Measurement range 45 ± 3 mm 39 ± 3 mm </p>	

The relevant corresponding technical documents will be supplied with the product.

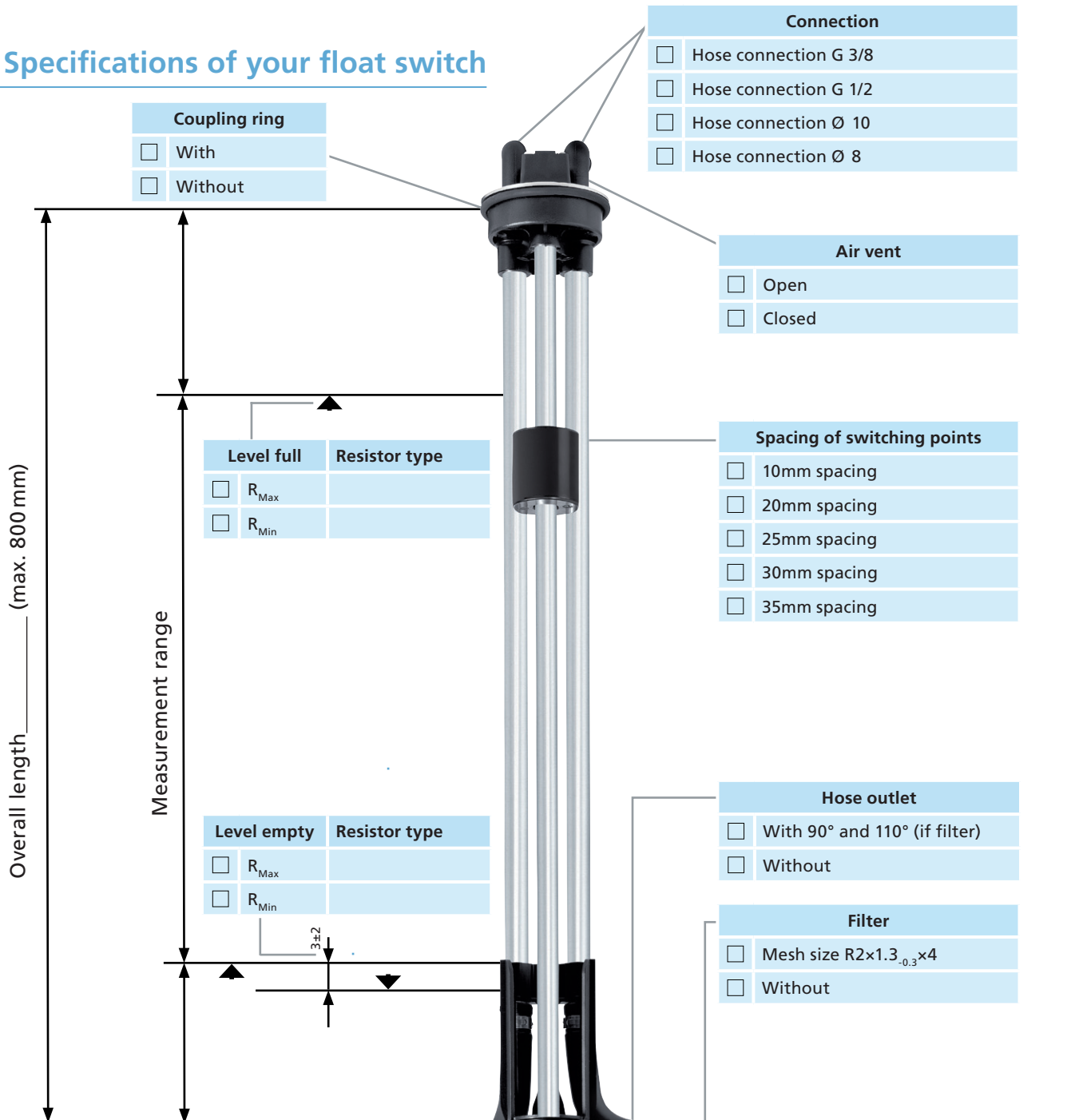
Key electrical data

Power loss	do not exceed PV max. of resistances
Operating voltage	< 48 V DC
Switching points, reed contacts	10, 20, 25, 30, 35mm spacings
Resistor type P70	0.6 W \pm 1%
Total resistance	selectable
Basic resistance	selectable

Key mechanical data

Protection class	IP67 DIN EN 60529
Material	see page 2
Working temperature range	-40° to +85°C

Specifications of your float switch



Connector types

Angled connectors	
<input type="checkbox"/>	AMP Superseal 1.5, 2-pin
<input type="checkbox"/>	AMP Superseal 1.5, 3-pin
<input type="checkbox"/>	AMP Seal 16, 2-pin
<input type="checkbox"/>	AMP Seal 16, 3-pin
<input type="checkbox"/>	DT04, 2-pin
<input type="checkbox"/>	Metri-Pack 150.2, 2-pin

Straight connectors	
<input type="checkbox"/>	Cable outlet
<input type="checkbox"/>	Wire/shaft pipe outlet
<input type="checkbox"/>	AMP Superseal, 2-pin
<input type="checkbox"/>	AMP Superseal, 3-pin
<input type="checkbox"/>	DT04, 2-pin
<input type="checkbox"/>	DT04, 3-pin
<input type="checkbox"/>	M12 connector

Please specify pin assignment (3 pin connectors)!

More connectors on request.

