



Immersion float switch

The elobau immersion float switch, based on robust and reliable reed technology, is typically used for limit level monitoring in large tanks. Areas of application include monitoring the empty or overflow of liquids such as water, oil or other chemicals. The submersible float switch is convincing due to its robust design and maximum flexibility: the switching point height can be variably adjusted using the optionally available mounting modules with cable gland and the switching function can be reversed by turning the float.

Product characteristics

- Immersion float switch
- Level measurement on reed contact basis
- Mounting on cable via cable gland and optional mounting module
- Materials: Stainless steel float switch with PUR cable and PVC float switch with PVC cable
- Switching voltage max. 48 V
- Contact type: normally open contact
- Temperature range: -40°C to +90°C (stainless steel), -10°C to +65°C (PVC)
- Protection class: IP68 DIN EN 60529

Technical drawing

IMAGE 1/3: 2ES1*

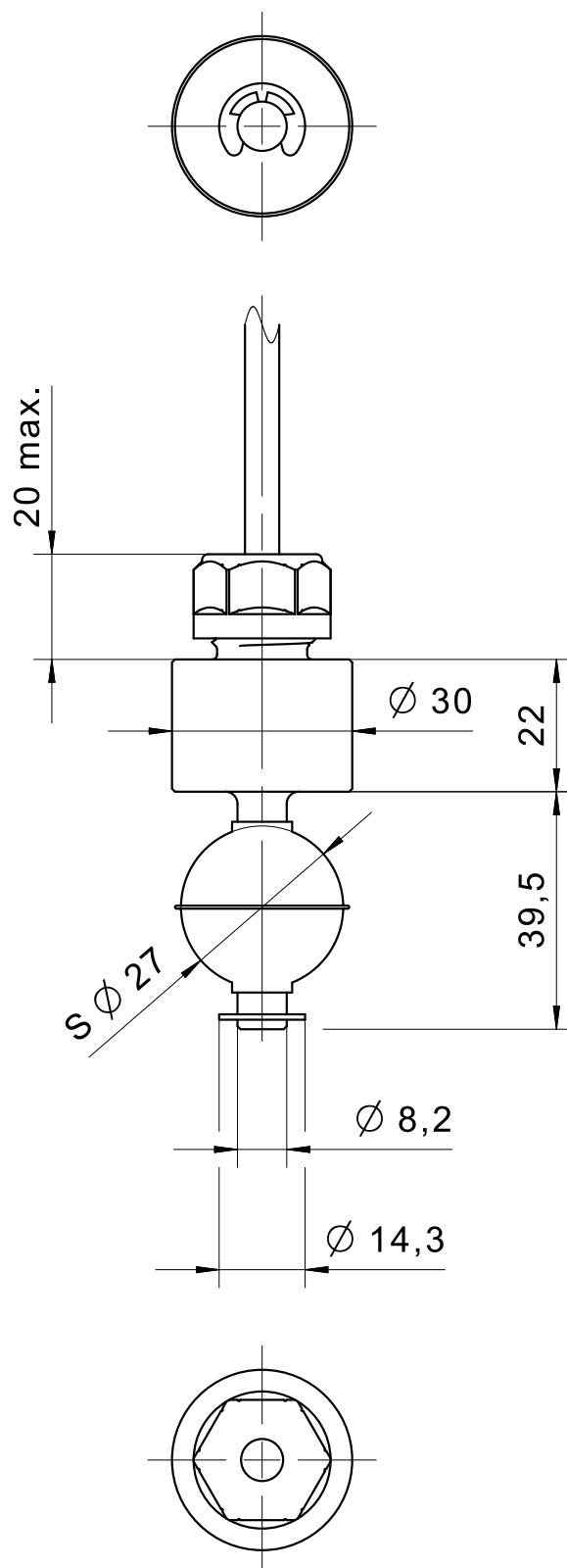
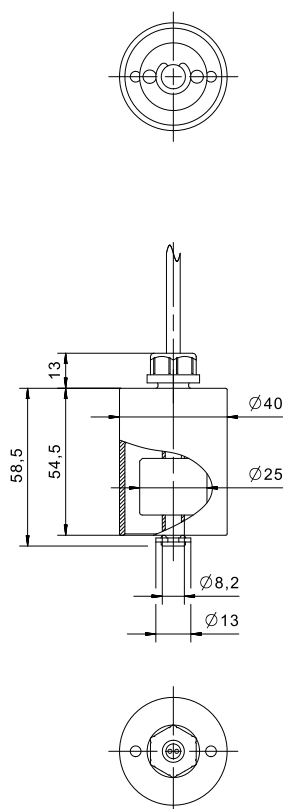


IMAGE 2/3

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IMAGE 3/3: 2ES0*



Article characteristics

Attribute	2ES0001	2ES0003	2ES1001	2ES1002	ED2ES0001	ED2ES0003 ▶
Min. switching voltage	0 V DC				-	
Max. switching voltage	48 V DC				-	
Min. switching voltage	0 V AC				-	
Max. switching voltage	48 V AC				-	
Min. switching current	0 A				-	
Max. switching current	0.5 A				-	
Min. switching power	0 W				-	
Max. switching power	50 W				-	
Contact form	1A or 1B				-	
Output signal	digital				-	
Technology	Reed				-	
Change of switching function by turning the float	yes				-	
Switching point function	See data sheet				-	
Recommended minimum density of the medium	0.8 g/cm³		0.7 g/cm³		-	
Float diameter	25 mm		29 mm		-	
Version	Straight				-	
Diameter	40 mm		30 mm		-	
Housing material	PVC		VA		-	
Float material	PVC		VA		-	
Riser material	PVC		VA		-	
Cable material	PVC		PUR		-	
Protection class inside container	IP68 DIN EN 60529				-	
Operating temperature min.	-10 °C		-40 °C		-	
Max. operating temperature	65 °C		90 °C		-	
Pressure resistance	3 bar				-	
Installation	from above				-	
Mounting type	-				-	
Mounting modules	35020501 , 35020502				-	
Riser diameter	8 mm				-	
Riser length	38 mm		40 mm		-	

Attribute	2ES0001	2ES0003	2ES1001	2ES1002	ED2ES0001	ED2ES0003 ▶
Installation opening	min.40mm		min.30mm		-	
Connector type	ohne				-	
Cable length	1 m	5 m	1 m	5 m	-	

Attribute	ED2ES1001	ED2ES1002
Min. switching voltage	-	-
Max. switching voltage	-	-
Min. switching voltage	-	-
Max. switching voltage	-	-
Min. switching current	-	-
Max. switching current	-	-
Min. switching power	-	-
Max. switching power	-	-
Contact form	-	-
Output signal	-	-
Technology	-	-
Change of switching function by turning the float	-	-
Switching point function	-	-
Recommended minimum density of the medium	-	-
Float diameter	-	-
Version	-	-
Diameter	-	-
Housing material	-	-
Float material	-	-
Riser material	-	-
Cable material	-	-
Protection class inside container	-	-
Operating temperature min.	-	-
Max. operating temperature	-	-
Pressure resistance	-	-
Installation	-	-
Mounting type	-	-
Mounting modules	-	-
Riser diameter	-	-
Riser length	-	-
Installation opening	-	-
Connector type	-	-
Cable length	-	-