DATASHEET - SW



Float switch

Part no. SW Catalog No. 088594 Alternate Catalog SW

No.

EL-Nummer 4356150

(Norway)

Powering Business Worldwide*

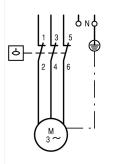
Delivery program

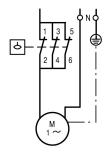
Product range	Float switch
Degree of Protection	IP65
	Lever can be turned to reverse contact effect 1 insulated protective conductor terminal 1 insulated N terminal Impact-resistant shroud, green 2 cable entry knockouts for M20, without cable gland IP65 in conjunction with V-M20 cable gland Wall mounting bracket Can be mounted in any position

Notes

For use as a motor load switch for: Three-phase current AC-3

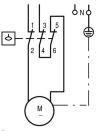
Single-phase current

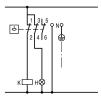




Direct current DC

For use as control switch:





Parts:

Float, operating rod, and wire rope sleeve made of especially resistant plastic. Resistant to:

- Tap water, river water, salt water: Max. 100 °C
- Deionized water: Max. 100 °C
- Brine: Max. 100 °C
- Acids (10%): Max. 40 °C
- Bases (10%): Max. 40 °C

Operation:

Minimum operation at lever: 24 mm

Technical data

General		
Standards		IEC/EN 60947-4-1
Operating frequency	Operations/h	≦ 1500
Ambient temperature		-25 - 70
Degree of Protection		IP65
Mounting position		As required

Mechanical shock resistance to IEC 60068-2-27	Half- sinusoidal shock 20 ms	g	> 10
Vibration resistance acc. to IEC/EN 60068-2-6	Amplitude 1 mm	Hz	36
lifespan	Operations	x 10 ⁶	0.5
Terminal capacities		mm ²	
Solid		mm ²	1 x (0.75 - 2.5) 2 x (0.75 - 1.5)
Flexible with ferrules to DIN 46228		mm ²	1 x (0.5 - 1.5) 2 x (0.5 - 1.5)
Terminations			Flat terminal with clamping washer
Terminal screw			M4
Tightening torque of terminal screw		Nm	1.2
Contacts/switching capacity			
Rated impulse withstand voltage	U _{imp}	V AC	4000
Rated insulation voltage	Ui	V	400
Overvoltage category/pollution degree			III/3
Max. short-circuit protective device			
Fuseless		Туре	PKZM0-20
Fuse	gG/gL	Α	20
Type of coordination			1
Rated short-circuit current	Iq (= Current r) kA	1
AC-3			
Rated operational current			
230 V		Α	15
400 V		Α	11.5
Rated power P			
230 V		kW	4
400 V		kW	5.5
Rated frequency	f	Hz	50

Design verification as per IEC/EN 61439

Tec	hnical data for design verification		
	Operating ambient temperature min.	°C	-25
	Operating ambient temperature max.	°C	70

Technical data ETIM 7.0

Stats, switches and controllers (EG015840) / Float switch (EC011178)		
Suitable for potable water		Yes
Suitable for rainwater		Yes
Suitable for cooling water		Yes
Suitable for faeces		Yes
Suitable for domestic wastewater		Yes
Suitable for condensate		Yes
Suitable for glycol		Yes
Measuring range	mm	
Readable		No
With display		No
Adjustable differential gap		No
Differential range/switch hysteresis	mm	
Immersing depth	mm	
Mounting method, vertical		Yes
Mounting method, horizontal		Yes
Sensor/feeler type		Sinking ball
Mounting method		Suspended above the pit

Float material		Plastic
Float diameter	mm	
Connection		Other
Thread size		Other
Max. contact voltage	V	230
Max. contact load	Α	15
Max. medium temperature (continuous)	°C	
Min. specific density of liquid	kg/m³	
Max. operating pressure	bar	
Degree of protection (IP)		IP55
Degree of protection (NEMA)		Other
Explosion-proof		No

Dimensions

