

SHICO. COMPACT FLOAT LEVEL SWITCH

MODEL : FS Series



■ SPECIFICATION

※Operating state is on condition that the LEAD cable is set on the upper side.

Type	SA-0601-AS1. BS1	SA-0602-AS1. BS1	SA-0801-CS3	SA-0802-CS3	SA-0803-CS3	SA-0804-BS3	SA-0805-AS3	
Using liquid	Water, Oil	Water, Oil	Water, Hot water, Oil, Liquid medicine	Water, Oil	Water, Liquid medicine	Oil	Oil	
Operating state	AS1 Rising, BS1 falling start	Rising start	Rising start, moving the float reversely.	Rising start, moving the float reversely.	Rising start, moving the float reversely.	Falling start	Rising start	
STRUCTURE	Stack materials	POM	Denatured PPO	SUS304	Ni coating	PP	PA6	PA6
	Nut materials	POM	POM	SUS304	Ni coating	PP		
	Float materials	Foaming NBR	Foaming PP	SUS304	Foaming NBR	PP	Foaming NBR	Foaming NBR
	Float Hold materials							
	Stoper materials	POM	POM	SUS304	SUS304	PP	POM	POM
LEAD cable specification	Heat resisting Vinyl cable UL-1007/ AWG-22	Heat resisting Vinyl cable UL-1007/ AWG-22	Heat resisting Vinyl cable UL-1007/ AWG-20	Heat resisting Vinyl cable UL-1007/ AWG-22	Heat resisting Vinyl cable UL-1007/ AWG-20	Heat resisting Vinyl cable UL-1007/ AWG-20	Heat resisting Vinyl cable UL-1007/ AWG-20	
SPECIFICATION ELECTRON	Max. switch capacity	10VA	10VA	50VA	50VA	50VA	50VA	50VA
	Max. switch current	0.5A	0.5A	0.5A	0.5A	0.5A	0.5A	0.5A
	Max. usage voltage	AC 125V	AC 125V	AC 245V	AC 240V	AC 240V	AC 240V	AC 240V
	Contact Resistance	Below 250MΩ	Below 200MΩ	Below 250MΩ	Below 250MΩ	Below 250MΩ	Below 250MΩ	Below 250MΩ
Using temperature range	-10~60℃	-10~80℃	-10~100℃	-10~60℃	-10~80℃	-10~80℃	-10~80℃	



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MODEL : FS Series

▶ SUITABLE ITEMS FOR FOOD SANITATION

Type	FSE-0804-BS1	FSE-0805-AS1	FSE-0808-AS1.BS1	FSE-0809-AS1.BS1	FSE-0810-AS1.BS1
Using liquid	Water, Hot water	Water, Oil	Water, Hot water, Oil, Liquid medicine	Water, Oil	Water, Liquid medicine
Operating state	Falling start	Rising start	AS1 Rising, BS1 falling start	AS1 Rising, BS1 falling start	AS1 Rising, BS1 falling start
STRUCTURE	stack materials	Ductile PPO	Ductile PPO	Ductile PPO	Ductile PPO
	Nut materials			Ductile PPO	Ductile PPO
	Float materials	Foaming PP	Foaming PP	Foaming PP	Foaming PP
	Float Hold materials				
	Stopper materials	SUS304	SUS304	SUS304	SUS304
	LEAD cable specification	Heat resisting Vinyl cable UL-1007/AWG-22	Heat resisting Vinyl cable UL-1007/AWG-22	Heat resisting Vinyl cable UL-1007/AWG-22	Heat resisting Vinyl cable UL-1007/AWG-22
SPECIFICATION	Max. switch capacity	10VA	10VA	10VA	10VA
	Max. switch current	0.5A	0.5A	0.5A	0.5A
	Max. usage voltage	AC 125V	AC 125V	AC 125V	AC 125V
	Contact Resistance	Below 250MΩ	Below 250MΩ	Below 250MΩ	Below 250MΩ
Usage temperature range	-10~80℃	-10~80℃	-10~80℃	-10~80℃	-10~80℃

Type	FSA-0808-AW1.BW1	AW3.BW3	FSB-0808-AS3,BS3	FSA-0811-CS3	FSA-0812	FSA-0813	
Using liquid	Water, Hot water		Water, Hot water	Water, Hot water, Oil, Liquid medicine	Oil	Water, Hot water	
Working state	AW1,AW3 Rise On, BW1, BW3 Descent On		AS3 Rise On, BS3 Descent On	Rise On. Sending the float inversely.	USER Appointment	USER Appointment	
STRUCTURE	Stack materials	Ductile PPO	Ductile PPO	SUS304	BS	SUS304	
	Nut materials	Ductile PPO	Ductile PPO	SUS304	S45C		
	Float materials	Foaming NBR	Foaming NBR	SUS304	Foaming NBR	Foaming PP	
	Float Hold materials		PP				
	Stopper materials	PP	PP	SUS304	SUS304	SUS304	
	LEAD cable specification	Heat resisting Vinyl cable UL-1007/AWG-22		Heat resisting Vinyl cable UL-1007/AWG-22		Silicon cable [SQ 0.5]	Heat resisting Vinyl cable UL-1007/AWG-20
SPECIFICATION	Max. switch capacity	10VA	50VA	50VA	50VA	20VA	70VA
	Max. switch current	0.5A		0.5A	0.5A	0.5A	0.5A
	Max. usage voltage	AC 125V	AC 240V	AC 240V	AC 240V	AC 125V	AC 125V
	Contact Resistance	Below 250MΩ		Below 250MΩ	Below 250MΩ	Below 250MΩ	Below 250MΩ
Using temperature range	-10~60℃		-10~60℃	-10~100℃	-10~160℃	-10~80℃	



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MODEL : FS Series

* USER Request details	1) Type of using liquid	?
	2) Installing method of Level switch	TOP, SIDE, BOTTOM
	3) Operating position of Level switch	Position of ON & OFF
	4) Operating contact point number of Level switch	1 or 2 Points ?
	5) Using temperature	? °C

■ PRODUCT

• FSA-0601-AS1	• FSA-0602-AS1	• FSA-0801-CS3	• FSA-0802-CS3	• FSA-0803-CS3
				
• FSA-0804-BS3	• FSA-0805-AS3	• FSA-0804-BS1	• FSE-0805-AS1	• FSE-0809-AS1.BS1
				
• FSE-0810-AS1.BS1	• FSA-0808-AW1.BW1/AW3.BW3	• FSB-0808-AS3.BS3	• FSA-0813	• FSE-0808-AS1.BS1
				
• FSA-0811-CS3	• FSA-0812			
				



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PRODUCT MEASUREMENT

<p>• FSA-0601-AS1</p>	<p>• FSA-0602-AS1</p>	<p>• FSA-0801-CS3</p>	<p>• FSA-0802-CS3</p>	<p>• FSA-0803-CS3</p>
<p>• FSA-0804-BS3</p>	<p>• FSA-0805-AS3</p>	<p>• FSA-0804-BS1</p>	<p>• FSE-0805-AS1</p>	<p>• FSE-0809-AS1.BS1</p>
<p>• FSE-0810-AS1.BS1</p>	<p>• FSA-0808-AW1.BW1/AW3.BW3</p>	<p>• FSB-0808-AS3.BS3</p>	<p>• FSA-0813</p>	<p>• FSE-0808-AS1.BS1</p>
<p>• FSA-0811-CS3</p>	<p>• FSA-0812</p>			

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SHICO. COMPACT FLOAT LEVEL SWITCH

MODEL : FS Series

WORKING CONDITION TABLE ON PRODUCT MATERIALS

SYMBOL	J	F3	F4	A1	U1	B1	B2
Accuracy control							
Weight	0.62	0.6	0.6	0.46	0.72	0.61	0.61
Water	Approx. 9.5mm	Approx. 9mm	Approx. 9mm	Approx. 8mm	Approx. 4mm	Approx. 6mm	Approx. 6mm
Oil	Approx. 5.5mm	Approx. 5.5mm	Approx. 5.5mm	Approx. 6.5mm	Approx. 1.5mm	Approx. 3.5mm	Approx. 3.5mm
Materials	Foaming NBR	Foaming NBR	Foaming NBR	Foaming NBR	Foaming NBR	Foaming NBR	Foaming NBR
Max. using temperature	160℃	100℃	100℃	100℃	160℃	100℃	100℃
Food sanitation law	X	X	X	X	X	X	X
Trait	Heat & Oil resisting type		Standard type		Heat & Oil resisting type		Standard type
SYMBOL	P	M1	AA1	Y1	X1	S1	S2
Accuracy control							
Weight	0.58	0.5	0.42	0.63	0.69	0.66	0.66
Water	Approx. 3mm	Approx. 10mm	Approx. 17mm	Approx. 7mm	Approx. 5mm	Approx. 6.5mm	Approx. 6.5mm
Oil	Approx. 2mm	Approx. 7.5mm	Approx. 14mm	-	-	-	-
Materials	Foaming NBR	Foaming NBR	Foaming NBR	Foaming PP	Foaming PP	Foaming PP	Foaming PP
Max. using temperature	100℃	100℃	100℃	80℃	80℃	80℃	80℃
Food sanitation law	X	X	X	X	X	O	O
Trait	Mortar shape		Reverse acting usage				Standard type
SYMBOL	L1	H1	H2	L1	AD1	AE1	
Accuracy control							
Weight	0.59	0.81	0.81	0.68	Approx.0.7	0.75	
Water	Approx. 6mm	Approx. 5mm	Approx. 5mm	Approx. 5mm	Approx. 10.5m	Approx. 11mm	
Oil	-	-	-	-	-	-	
Materials	Foaming PE	Foaming PP	Foaming PP	Foaming PP	PP	SUS304	
Max. using temperature	80℃	80℃	80℃	80℃	80℃	100℃	
Food sanitation law	X	O	O	O	O	O	
Trait			Standard type	Mortar type	Reverse acting usage	Reverse acting usage	



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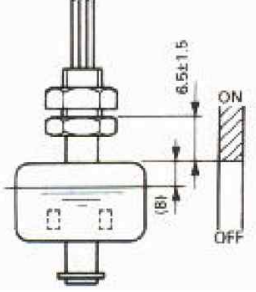
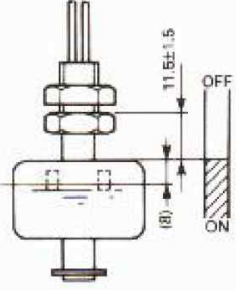
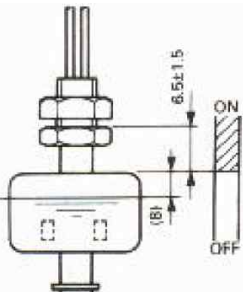
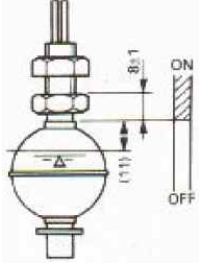
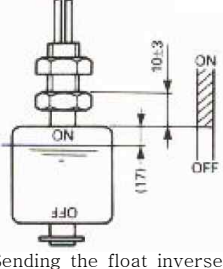
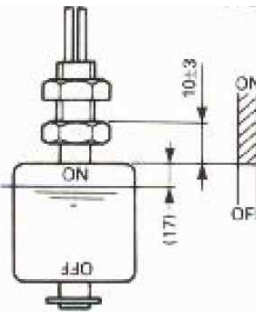
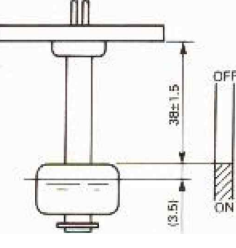
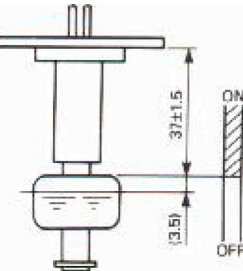
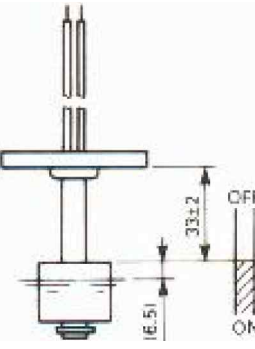
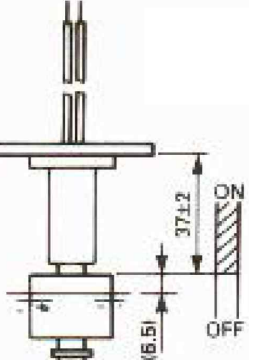
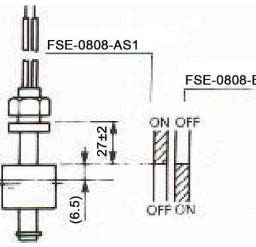
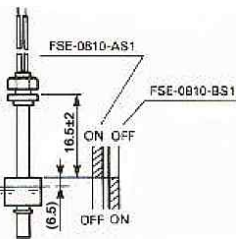
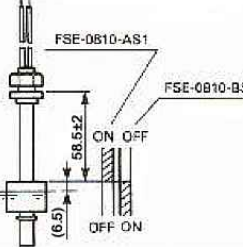
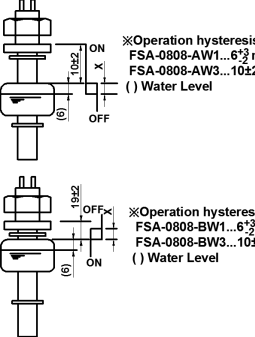
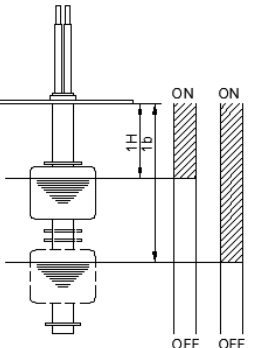
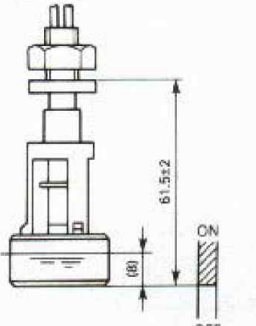
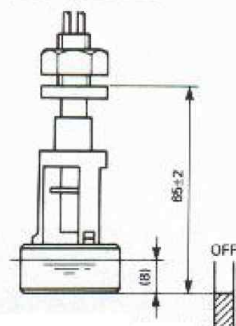
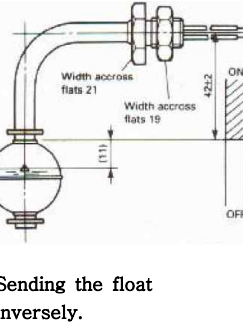
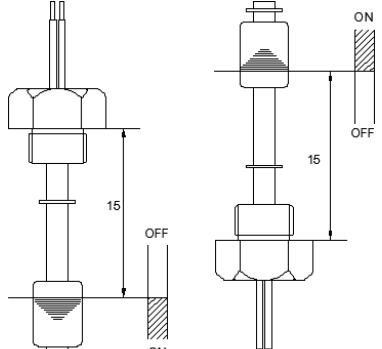
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SHICO. COMPACT FLOAT LEVEL SWITCH

MODEL : FS Series

WORKING LOCATION

<p>• FSA-0601-AS1/FSA-0601-BS1</p> 	<p>• FSA-0602-AS1</p> 	<p>• FSA-0601-AS1</p> 	<p>• FSA-0801-CS3</p>  <p>Sending the float inversely.</p>	<p>• FSA-0802-CS3</p>  <p>Sending the float inversely.</p>
<p>• FSA-0803-CS3</p>  <p>Sending the float inversely.</p>	<p>• FSA-0804-BS3</p> 	<p>• FSA-0805-AS3</p> 	<p>• FSE-0804-BS1</p> 	<p>• FSE-0805-AS1</p> 
<p>• FSE-0808-AS1.BS1</p> 	<p>• FSE-0809-AS1.BS1</p> 	<p>• FSB-0810-AS1.BS1</p> 	<p>• FSA-0808-AW1.BW1/AW3.BW3</p>  <p>※Operation hysteresis FSA-0808-AW1...6$\frac{1}{2}$ mm FSA-0808-AW3...10±2 () Water Level</p> <p>※Operation hysteresis FSA-0808-BW1...6$\frac{1}{2}$ mm FSA-0808-BW3...10±2 () Water Level</p>	<p>• FSA-0813</p> 
<p>• FSB-0808-AS3.BS3</p> <p>FSB-0808-AS3</p> 	<p>FSB-0808-BS3</p> 	<p>• FSA-0811-CS3</p>  <p>Sending the float inversely.</p>	<p>• FSA-0812</p> 	



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