Float Switch Combination

LFLC

- Full adjustable float switch combination for up to 5 float switches
- Adjustable switch point position
- Various float switch types possible
- CSM cable for aggressive acids and lyes

CE

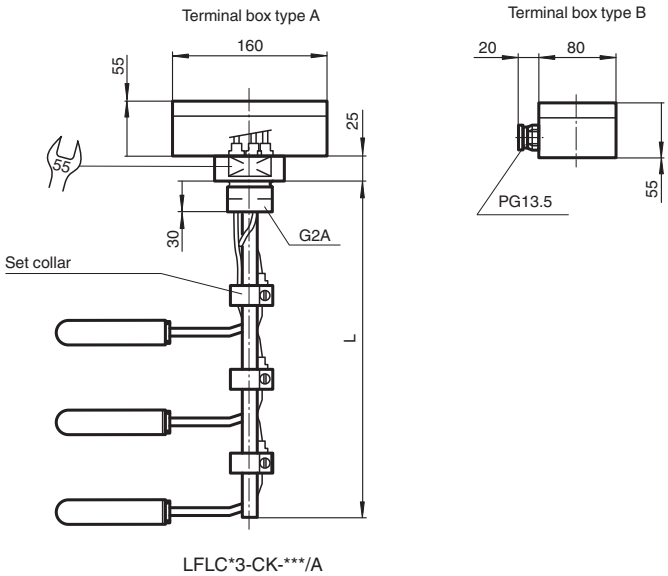
Function

This PVC float switch assembly permits the fixing lengths for the float fixing and fixing heights to be modified as required if changes in the operating circumstances require other switching points.

Connection

The electrical connection is depending on the float switch versions. Information for electrical connections can be found in the datasheets of the float switches.

Dimensions



LFLC*3-CK-***/A

Technical Data

General specifications		
Construction type		Float Switch Combination
Series		LFLC
Supply		
Rated voltage	U_r	see datasheets of float switches
Electrical specifications		

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Technical Data

Contact loading		see datasheets of float switches
Directive conformity		
Electromagnetic compatibility		
Directive 2014/30/EU		see datasheets of float switches
Low voltage		
Directive 2014/35/EU		see datasheets of float switches
Conformity		
Degree of protection		IEC 60529:2001
Application		
Description		switching element: LFL1: floating up closing, normally open LFL2: microswitch with switching ball, change-over contact LFL3: mercury (Hg) change-over contact
Operating conditions		
Installation conditions		
Installation instructions		range of application and minimum length between mounting and float: - PVC version: ≥ 50 mm (2 inch), preferred for water - PUR version: ≥ 100 mm (4 inch), preferred for fuels, heating oils, oily fluids - CSM/CM version: ≥ 100 mm (4 inch), preferred for many acids and lyes Float switches are fastened onto the lower end of the guide pipe in the factory. The position of the switch points required for the application must be adjusted by the user by moving the set collars (in some cases, it may be necessary to shorten the float switch wire).
Process conditions		
Process pressure (static pressure)		≤ 1 bar at 20 °C (68 °F)
Ambient conditions		
Ambient temperature		5 ... 70 °C (41 ... 158 °F)
Storage temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Degree of protection		Float Switch : IP68 terminal box: IP66
Mechanical construction		
Construction type		sleeve design
Dimensions		guide tube: Ø16 mm (0.6 inch), L_{max} = 3000 mm (10 feet)
Material		float: PP (Polypropylene) guide tube: PVC process connection: PVC set collars and clamping screw: PVC
Process connection		G2A thread with 5 PG9-cable entries
General information		
Supplementary information		Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com.

Type Code

This overview does not mark options which are mutually exclusive.

L	F	L	C	(1)	(2)	–	C	K	–	(3)	/	(4)	/	L

LFLC	Device
LFLC	Float switch combination

(1)	Float switch type (switching element)
1	Initiator, float sleeve, NAMUR output, NO contact
2	Microswitch, float sleeve, 250 V AC, 150 V DC, change-over contact

(2)	Number of switches
1	1 switch, float sleeve
2	2 switches, float sleeve
3	3 switches, float sleeve
4	4 switches, float sleeve
5	5 switches, float sleeve

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Type Code

(3)	Cable material
CSM	CSM
PUR	PUR
PVC	PVC
TPK	TPK

(4)	Terminal box
A	with 15 terminals
B	with 6 terminals

L	Guide tube length
Length	Specified length, max. 3000 mm, can be cropped by the user if necessary

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