Multiple Level Switch LS-800E-PVC (1...4 switch points)

Max. contact loads of the reed switch: SPST 100 VA; 3 A; 250 VAC (NC/NO).
SPDT 20 VA; 0.5 A; 250 VAC (Change-over contact).
The data NC/NO are defined for: an empty tank / rising level.

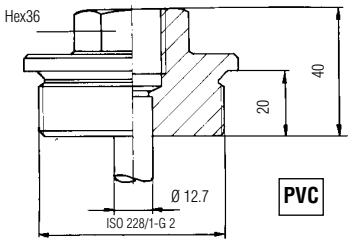
Specifications

Materials	
Stem	PVC
Mounting elements	PVC
Float	PVC
Electrical connection	Terminal Box (ABS) 6 pole Pg 9 cable gland with 1m PVC-cable (0.34/0.25mm2)
Operating pressure	1.0 bar
Temperature	-20°C ... +60°C
Min. specific gravity of the liquid	0.75 g/cm3
Depth of immersion at a density of 1	~22mm
Protection rating	IP65

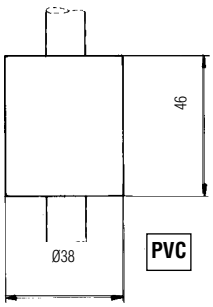
Mounting Direction

Tank top : O	Bottom : U

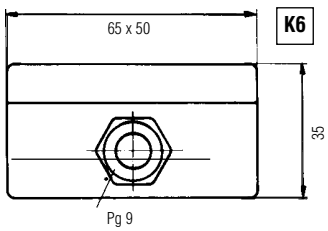
Mounting Elements

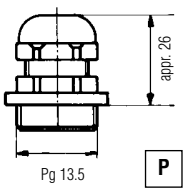


Floats



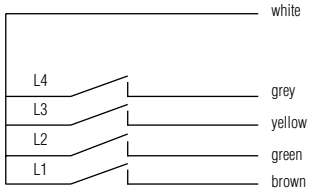
Electrical Connection



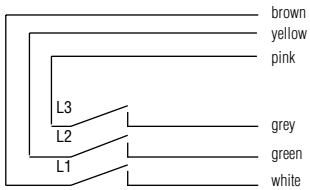


Switching groups PVC model

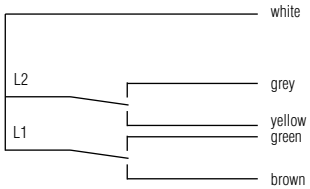
Group 1, max 4 switch points, NC/NO



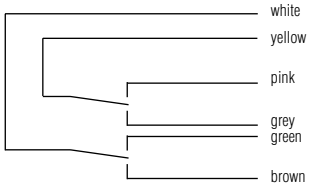
Group 2, max 3 switch points, NC/NO



Group 3, max 2 switch points, (SPDT)



Group 4, max 2 switch points, (SPDT)



LS-800E-PVC Multiple Level Switch check list

(Please copy and use as order form)

Customer: _____

Order no.: _____ Quantity: _____

Application specific data:
(Please complete fully and accurately)

1. Medium _____

2. Pressure (bar): Min _____ Max _____

3. Temperature (°C): Min _____ Max _____

4. Specific gravity (g/cm3): _____ Min _____ Max _____

5. Viscosity (SSU): _____

6. Tank: Material _____ Depth _____

7. Connection periphery (eg relay, PLC,.....): _____

LS-800E - . . . . . PVC . - . . . . . - . . . . . - . . . . . .
1. 2. 3.

Order data

1. Mounting direction:

Through tank top	☐	0
Through tank bottom	☐	U

2. Electrical connection:

Pg9 cable and gland (standard length: 1m)	☐	P
Terminal box 6-poles (ABS)	☐	K6

3. Switching:

Group 1	☐	1
Group 2	☐	2
Group 3	☐	3
Group 4	☐	4

Level Dimensions

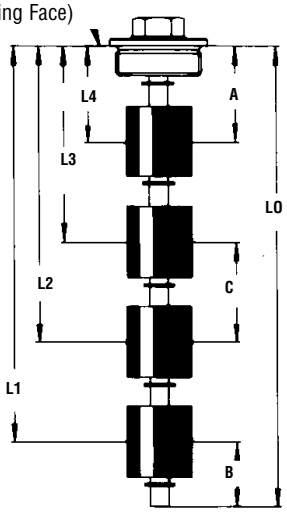
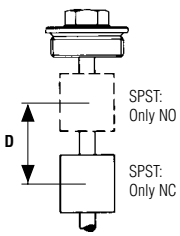
(Tolerance ±3mm) related to the mid of float

Distance level	NO group 1	NC group 1	NO group 2	NC group 2	SPDT group 3	SPDT group 4
L1 =	☐	☐	☐	☐	☐	☐
L2 =	☐	☐	☐	☐	☐	☐
L3 =	☐	☐	☐	☐		
L4 =	☐	☐				
L0 =	±2mm				max 2000 mm	

Dimensions PVC Model

A = 58mm min. distance to upper switch point
B = 50mm min. distance stem end to lowest switch point
C = 75mm min. distance between two switch points
D = 7mm min. distance between two switch points actuated by one float

Reference edge
(Sealing Face)



Dual-action:
One float actuates two switch points
(max distance=D).