

ELP plastic level switches are used for checking level of tank. It is preferred by machine manufacturers, especially in terms of its easy of use and economy.

The ELP plastic level switch can be mounted in little places because of their mini design. The switches are made by stainless steel material and so can be used in various liquids.



Working Principle :

When magnetic field of magnet in the float is aligned with reed sensor in the tube, it opens or closes the electric circuit.

When float moves away, sensor reverts back (upon demand, drawn contact may be made). Level information can be assessed with a relay circuit.

Areas of Application :

- * Machines, tanks, boilers, gas and liquid mediums, level measuring, temperature measuring...

ELP PLASTIC LEVEL SWITCH

ELP 11 , ELP 26
ELP 31 , ELP 32 , ELP 32s , ELP 33 , ELP 34
ELP 31L , ELP 32L , ELP 33L , ELP 34L , ELP 32sL
ELP 81p , ELP 81
ELP 02a , 02b , 03a , 03b
ELP 04a , 04b , 08a , 08b

Advantages :

- * Economic
- * Practical and easy installation
- * Fast delivery
- * Plastic material



E-GSM Alarm Device - Double Entry

Battery or and supply

2 pcs. Lithium batteries, 12V adaptor (Included)

Excluding phone card.

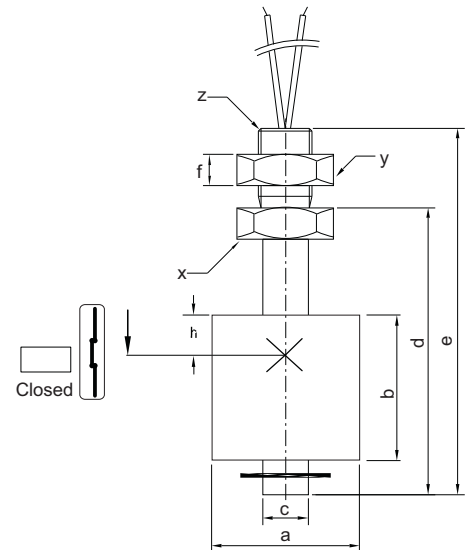
ELP 02a / 02b
ELP 03a / 03b
ELP 04a / 04b
ELP 08a / 08b

Technical Specifications :

ELP 11

Float Material	PP	PP
Wetted Parts Material	PP	PP
Pipe Material	PP	PP
Working Temperature	(-) 40 °C / (+) 80 °C	(-) 20 °C / (+) 80 °C
Max. Pressure (bar)	Atm.	Atm.
Min. Density (g/cm ³)	0.70 (g/cm ³)	0.70 (g/cm ³)
Electrical Connection	Cable	Cable
Number of Float	1 Std.	1 Std.
Number of Contact	SPST - NO	SPST-NO
Contact Current	0,7 A	1 A
Max. Contact Power	10 W / VA	10 W / VA
Max.Switching Voltage	180 VDC / 130 VAC	180 VDC / 130 VAC

ELP 03a / 03b / 04a / 04b / 08a / 08b

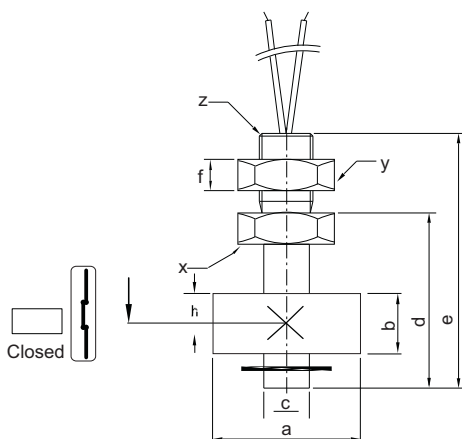


MODEL	ELP 02a ELP 02b	ELP 03a ELP 03b	ELP 04a ELP 04b	ELP 08a ELP 08b	ELP 11
Dimension	Cylindric	Cylindric	Cylindric	Cylindric	Cylindric
a	Ø 18	Ø 19 / Ø 24	Ø 24	Ø 24	20
b	6	16	16	22	26
c	7	7	7	8,4	8.5
d	20	31	41	85	44
e	30	43	54	104	55
f	7	7	7	8	6
x	12AA	13AA	13AA	16AA	17AA
y	13AA	13AA	13AA	16AA	17AA
z	M8 x 1,55 mm ²	M8 x 1,25 mm ²	M10 x 1,25 mm ²	M10 x 1,25 mm ²	1/8" BSP

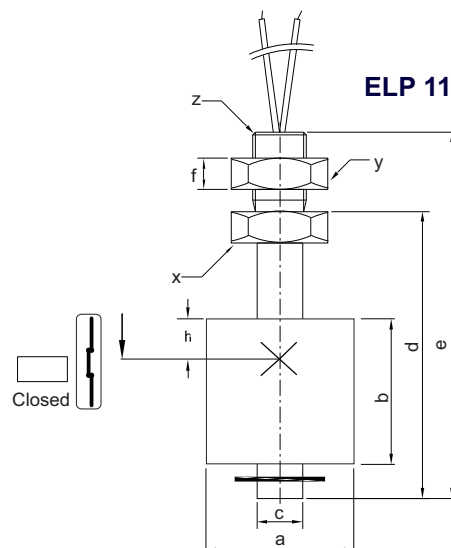
All dimensions are given in mm.



ELP 02a / 02b



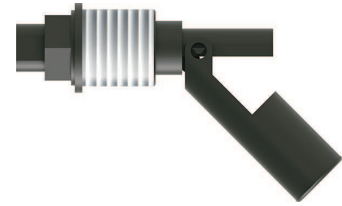
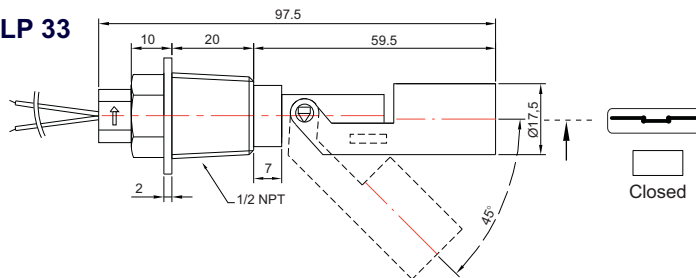
ELP 11



Black
Blue
Single Contact NO

Technical Specifications :

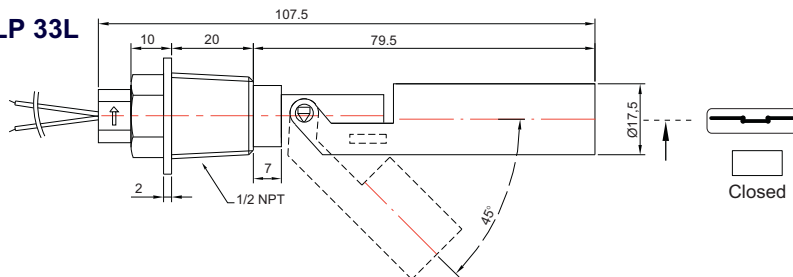
ELP 31 , ELP 33



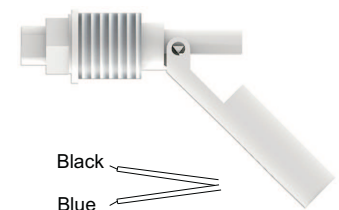
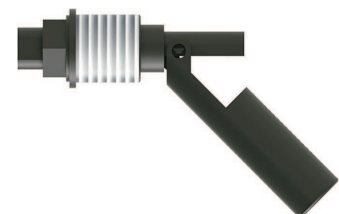
	ELP 31	ELP 33
Float Material	PP	PVDF
Wetted Parts Materi	PP	PVDF
Float Type	P10	P10
Working Temperature	(-) 20 °C / (+) 80 °C	(-) 30 °C / (+) 120 °C
Mechanical Connection	1/2" NPT	1/2" NPT
Max. Pressure	4 bar	2 bar
Min. Density	0.85 (g/cm ³)	0.90 (g/cm ³)
Electrical Connection	Cable	Cable
Number of Float	1 Std.	1 Std.
Number of Contact	1 x SPST - NO	1 x SPST - NO
Contact Current	1 A	1 A
Max. Contact Power	10 W / VA	10 W / VA
Max.Switching Voltage	200 VDC / 140 VAC	200 VDC / 140 VAC

Black
Blue
Single Contact NO

ELP 31L , ELP 33L



	ELP 31L	ELP 33L
Float Material	PP	PVDF
Wetted Parts Materi	PP	PVDF
Float Type	P10	P10
Working Temperature	(-) 20 °C / (+) 80 °C	(-) 30 °C / (+) 120 °C
Mechanical Connection	1/2" NPT	1/2" NPT
Max. Pressure	4 bar	2 bar
Min. Density	0.75 (g/cm ³)	0.75 (g/cm ³)
Electrical Connection	Cable	Cable
Number of Float	1 Std.	1 Std.
Number of Contact	1 x SPST - NO	1 x SPST - NO
Contact Current	1 A	1 A
Max. Contact Power	10 W / VA	10 W / VA
Max.Switching Voltage	200 VDC / 140 VAC	200 VDC / 140 VAC



Black
Blue
Single Contact NO

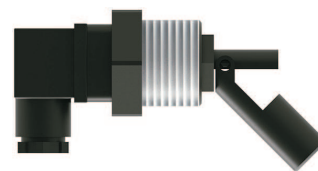
All dimensions are given in mm.

Technical Specifications :

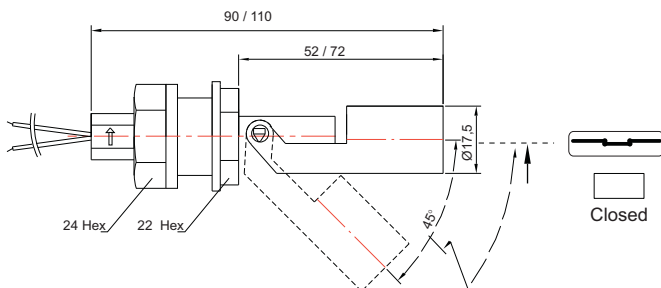
	ELP 32	ELP 32L	ELP 34	ELP 34L	ELP 32s	ELP 32sL
Float Material	PP / PBT		PVDF		PP	
Wetted Parts Materi	PP / PBT		PVDF		PP	
Float Type	P10		P10		P10	
Working Temperature	(-) 20 °C / (+) 80 °C		(-) 30 °C / (+) 120 °C		(-) 20 °C / (+) 80 °C	
Mechanical Connection	M16		M16		1" BSP	
Max. Pressure	4 bar		4		4 bar	
Min. Density	0.85 (g/cm ³)	0.75 (g/cm ³)	0.75 (g/cm ³)	0.65 (g/cm ³)	0.85 (g/cm ³)	0.75 (g/cm ³)
Electrical Connection	Cable		Cable		DIN43650C Socket, P03	
Number of Float	1 Std.		1 Std.		1 Std.	
Number of Contact	SPST - NO		1 x SPST - NO		SPST - NO	
Contact Current	0,7 A		1 A		1 A	
Max. Contact Power	10 W / VA		10 W / VA		10 W / VA	
Max.Switching Voltage	180 VDC / 130 VAC		200 VDC / 140 VAC		180 VDC / 130 VAC	



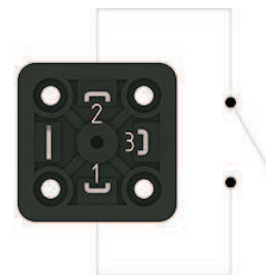
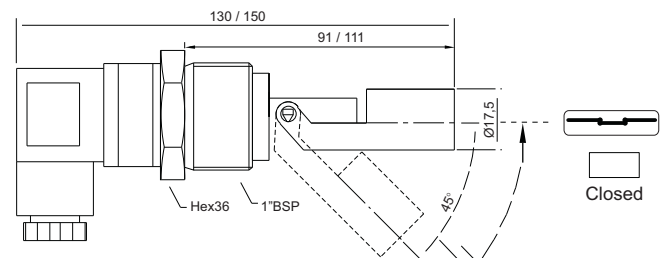
ELP 32 , ELP 34



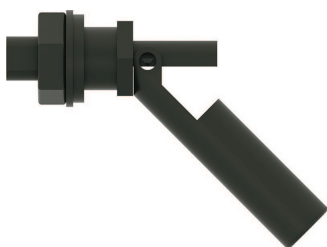
ELP 32s



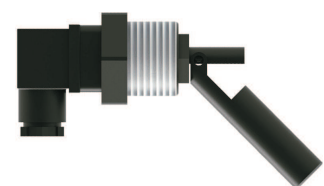
Black
Blue
Single Contact NO



ELP 32L , ELP 34L



ELP 32sL



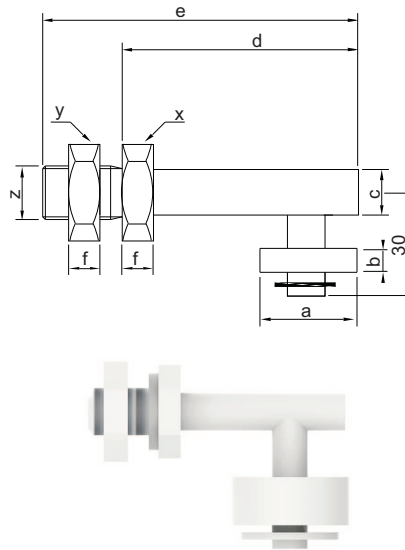
All dimensions are given in mm.

Technical Specifications :

ELP 26

Float Material	PP
Wetted Parts Materi	PP
Float Type	P10
Working Temperature	(-) 20 °C / (+) 80 °C
Mechanical Connection	Atm
Max. Pressure (bar)	4 bar
Min. Density	0.70 (g/cm ³)
Electrical Connection	Cable
Number of Float	1 Std.
Number of Contact	1 x SPST - N0
*Contact Current	0.7 A
*Max. Contact Power	10 W / VA
*Max.Switching Voltage	180 VDC / 130 VAC

ELP 26



MODEL Dimension	ELP 26 Cylindric
a	Ø 25
b	10
c	8
d	40
e	55
f	6
x	16AA
y	15AA
z	M10 x 1,55 mm ²

ELP 81

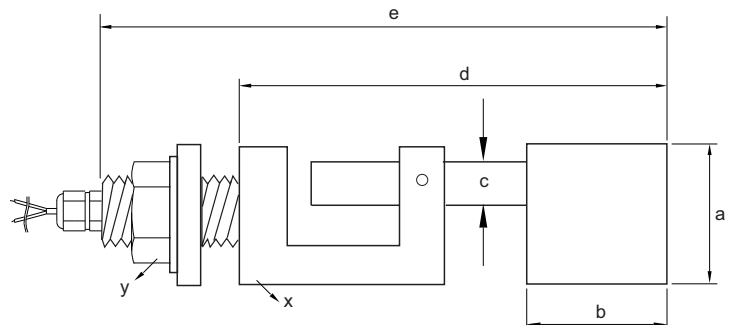
ELP 82

Float Material	Delrin	PTFE
Wetted Parts Materi	Delrin	PTFE
Float Type	Delrin	PTFE
Working Temperature	(-) 20 °C / (+) 80 °C	(-) 20 °C / (+) 120 °C
Mechanical Connection	1/2" BSP	
Max. Pressure	10 bar	
Min. Density	0.70 (g/cm ³)	
Electrical Connection	3x1 mm ² PVC	
Number of Float	1	
Number of Contact	1 x SPST - NO / NC	
*Contact Current	3 A	
*Max. Contact Power	50 W / VA	
*Max.Switching Voltage	500 VDC / 350 VAC	

MODEL Dimension	ELP 81 Cylindric
a	Ø 44
b	50
c	14
d	152
e	200
f	34
x	Ø 44
y	34AA
z	R 1/2"



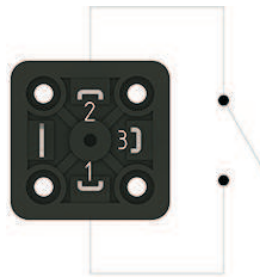
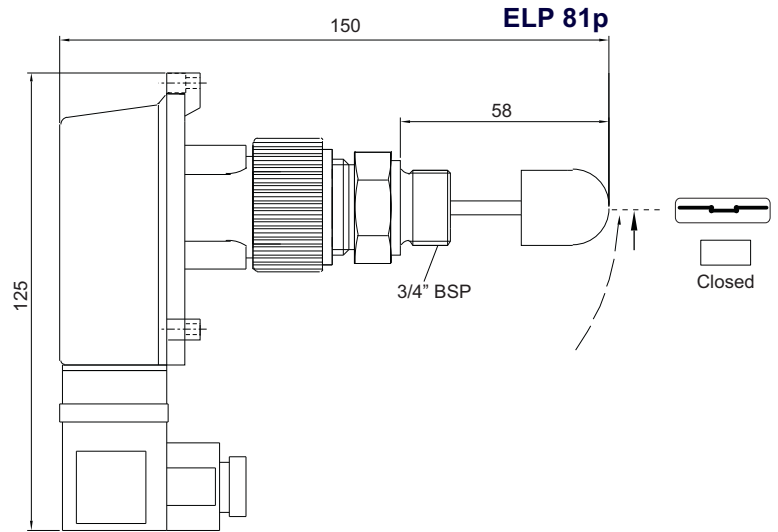
ELP 81 / ELP 82



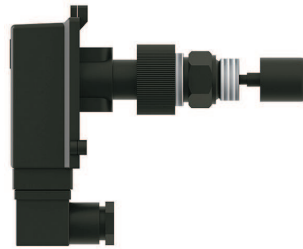
All dimensions are given in mm.

Technical Specifications : ELP 81p

Float Material	PP
Wetted Parts Material	PP
Pipe Material	PP
Float Type	P81
Working Temperature	(-) 20 °C / (+) 80 °C
Mechanical Connection	3/4" BSP
Max. Pressure (Bar)	10 bar
Min. Density (g/cm ³)	0.75 (g/cm ³)
Electrical Connection	DIN43650C Socket
Number of Float	1 Std.
Number of Contact	1 x SPST x NO
*Contact Current	1 A
*Max. Contact Power	10 W / VA
*Max.Switching Voltage	200 VDC / 140 VAC



Single Contact NO



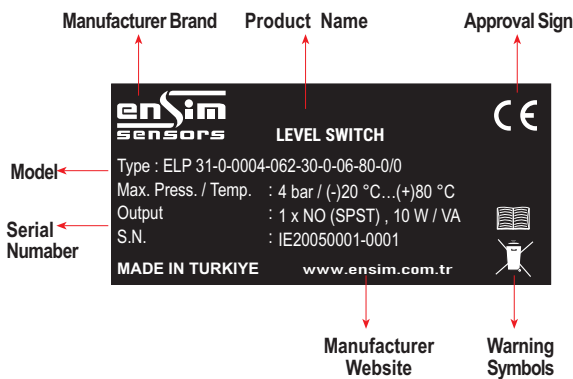
LEVEL CONTROL DEVICE SK-P2

Power Supply	220 VAC, 2.8 VA
Output	2 pcs. 5 A / 250 VAC Relay (Start/Stop)
Working Temperature	(-) 20 °C / (+) 70 °C
Dimensions	72 mm x 72 mm
Input	Contact Information , coming from ELP
Isolation	Input and output are isolated



SK-P2
72 mm x 72 mm

Label :



Order Form : Please consider sample models when coding !

1 MODEL ELP

Vertical Type, Ø 18 mm , L= 20 mm, Open at Bottom.....02a	Horizontal Type, L= 80 mm, 1/2" NPT , PP.....31
Vertical Type, Ø 18 mm , L= 20 mm, Closed at Bottom..02b	Horizontal Type, L= 80 mm, 1/2" NPT , PVDF.....33
Vertical Type, Ø 19 mm , L= 31 mm, Open at Bottom.....03a	Horizontal Type, L= 52 mm, M16 , PP.....32
Vertical Type, Ø 19 mm , L= 31 mm, Closed at Bottom...03b	Horizontal Type, L= 52 mm, 1" BSP, PP.....32s
Vertical Type, Ø 24 mm , L= 41 mm, Open at Bottom....04a	Horizontal Type, L= 40 mm, M10 , PP.....26
Vertical Type, Ø 24 mm , L= 41 mm, Closed at Bottom...04b	Horizontal Type, L= 152 mm, 1/2" BSP , Delrin.....81
Vertical Type, Ø 24 mm , L= 85 mm, Open at Bottom.....08a	Horizontal Type, L= 152 mm, 1/2" BSP , PVDF.....82
Vertical Type, Ø 24 mm , L= 85 mm, Closed at Bottom..08b	Horizontal Type, L= 58 mm, 3/4" BSP , PP.....81p
Vertical Type, Ø 20 mm , L= 44 mm, NO.....11	Horizontal Type, L= 100 mm, 1/2" NPT , PP.....31L
	Horizontal Type, L= 72 mm, M16 , PP.....32L
	Horizontal Type, L= 72 mm, 1" BSP, PP.....32sL
	Horizontal Type, L= 100 mm, 1/2" NPT , PVDF.....33L
	Horizontal Type, L= 100 mm, M16 , PP.....34L

2 CERTIFICATE

None.....0	(EN10204-3-1) Material Certification 1
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3 CONNECTION

1/8" BSP.....0001	M8 x 1.25 mm ² 0300	Special.....x
1/2" BSP.....0004	M8 x 1.55 mm ² 0301	
3/4" BSP.....0005	M10 x 1.25 mm ² 0302	
1" BSP.....0006	M16 x 1,5 mm ² 0306	
1/2" NPT.....0203		

4 MATERIAL

PP.....062	PVDF.....064
Delrin.....063	Special.....x

5 CABLE LENGTH (cm)

30 cm (Std.).....001	Special.....x
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6 CONTACT

NO Reed Relay.....06	NO / NC Reed Relay.....08
NC Reed Relay.....07	Special.....x

7 ELECTRICAL CONNECTION

PVC Cable (Max. 60 °C).....80	Silicon Cable (Max.105 °C).....82
PVC Cable (Max. 105 °C).....81	Polyamide Big Socket 01.....50
	Special.....x

8 HOUSING

None.....0	Aluminium , B22x.....750
Plastic , B05p.....002	Special.....x

9 OPTIONAL

None...../ 0	Level Control Device...../ SK-P2
E-GSM Device...../ E-GSM	Level Relay , 24 VDC - 5 A...../ ESR 24
	Level Relay , 220 VAC - 8 A...../ ESR 220
	Special...../ x

SAMPLE

ELP 31-0-0004-062-001-06-0-80/0

Plastic Level Switch ELP 31, 30 cm With Cable , NO Contact , PP