ELC Conductivity type level switches are used for checking liquid level of tanks and boilers. As it does not have any movable part, it can be used in the
critical ambient and in the liquids with solid particle, low density and high viscosity.



Working Principle:
When liquid leved comes to the level of isolated electrode, current passage starts or stops between electrode and liquid. Strengthened this AC current may be assesed with a relay circuit.

ELC Conductivity Type LEVEL SENSORS

ELC 09 , ELC 09f , ELC 09m
ELC 10 , ELC 10m
ELC 11 , ELC 11m
ELC 12 , ELC 13 , ELC 13x , ELC 14
ELC 20
ELC 20f

Advantages :

* Economical
* Easy to install
* Used at high temperatured

Model: 23-2026-009

Areas of Application :

It is an economic and safe solution for air pressure tank applications,
water level control of steam boilers and conductive tanks.

LEVEL CONTROL RELAY



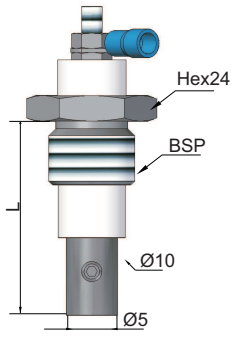
SK-P3
4 pcs. 5 A
Independent Relay



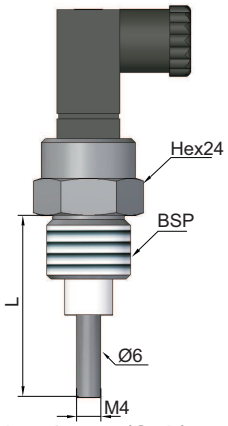
SK-P4
1 pc. 5 A Start - Stop Relay
+
2 pcs. 5 A Min. - Max. Relay

Technical Specifications:

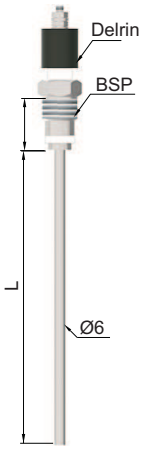
	ELC 09f	ELC 09	ELC 09m
Electrode Material	304 Stainless Steel Opt.316 Stainless Steel	304 Stainless Steel Opt.316 Stainless Steel	304 Stainless Steel Opt.316 Stainless Steel
Isolation of Electrode	PTFE	PTFE	Makaron
Connection Material	304 Stainless Steel Opt.316 Stainless Steel	304 Stainless Steel Opt.316 Stainless Steel	304 Stainless Steel
Max. Working Temp.	180 °C	160 °C	60 °C
Max. Working Pressure	10 bar	16 bar	6 bar
Mechanical Connection	3/8" BSP / 1/2" BSP	3/8" BSP / 1/2" BSP	3/8" BSP (Std)
Electrical Connection (R)	Cable	DIN 43650C	Cable



L=40 mm (Std.)

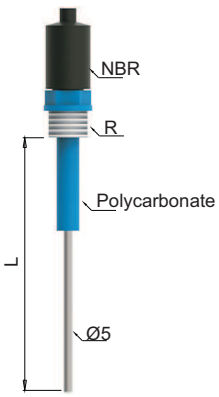


L=50 mm (Std.)

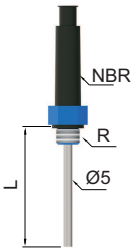


L=175 mm (Std.)

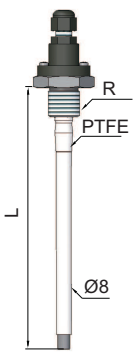
	ELC 10	ELC 10m	ELC 11 / ELC 11m	ELC 12
Electrode Material	304 Stainless Steel Opt.316 Stainless Steel		304 Stainless Steel Opt.316 Stainless Steel	304 Stainless Steel Opt.316 Stainless Steel
Isolation of Electrode	PP (Reinforced)		PTFE	PTFE
Connection Material	PP (Reinforced)		304 Stainless Steel Opt.316 Stainless Steel	304 Stainless Steel Opt.316 Stainless Steel
Housing	NBR		Delrin	Aluminum Injection IP 65
Max. Working Temp.	160 °C		225 °C	225 °C
Max. Working Pressure	10 bar		40 bar	16 bar
Mechanical Connection (R)	1/2" BSP(Std)	1/4" BSP(Std)	1/2" BSP(Std)	1/2" BSP(Std)
Electrical Connection	Cable		PG 7	Cable



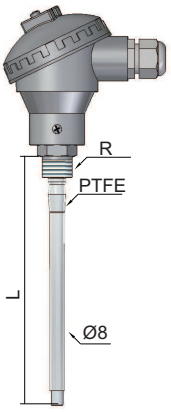
L= 150 mm (Std.)



L= 75 mm (Std.)



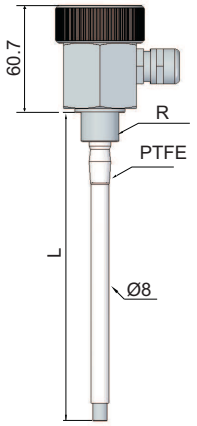
L= 150 mm (Std.)
L= 75 mm (ELC 11m)



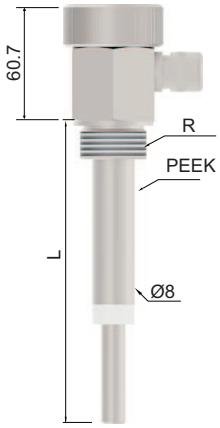
L= 150 mm (Std.)

Technical Specifications:

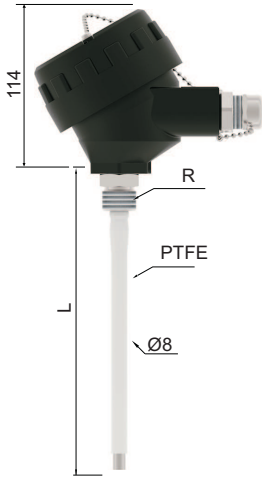
	ELC 13	ELC 13x	ELC 14	ELC 20f
Electrode Material	304 Stainless Steel Opt.316 Stainless Steel	304 Stainless Steel Opt.316 Stainless Steel	304 Stainless Steel Opt.316 Stainless Steel	304 Stainless Steel Opt.316 Stainless Steel
Isolation of Electrode	PTFE	PEEK	PTFE	PTFE
Connection Material	304 Stainless Steel Opt.316 Stainless Steel	304 Stainless Steel Opt.316 Stainless Steel	304 Stainless Steel Opt.316 Stainless Steel	304 Stainless Steel Opt.316 Stainless Steel
Housing	304 Stainless Steel Opt.316 Stainless Steel	304 Stainless Steel Opt.316 Stainless Steel	Aluminium Enj IP 66	-
Max. Working Temp.	225 °C	240 °C	225 °C	220 °C
Max. Working Pressure	16 bar	25 bar	16 bar	30 bar
Mechanical Connection (R)	1/2" BSP (Std)	1" BSP (Std)	1/2" BSP (Std)	3/8" BSP / 1/2" BSP (Std)
Electrical Connection	Cable	Cable	Cable	Cable



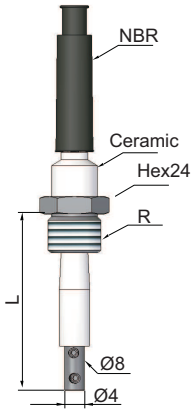
L= 150 mm (Std.)



L= 150 mm (Std.)



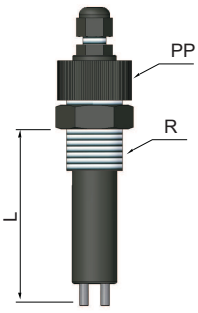
L= 150 mm (Std.)



L=80 mm (Std.)

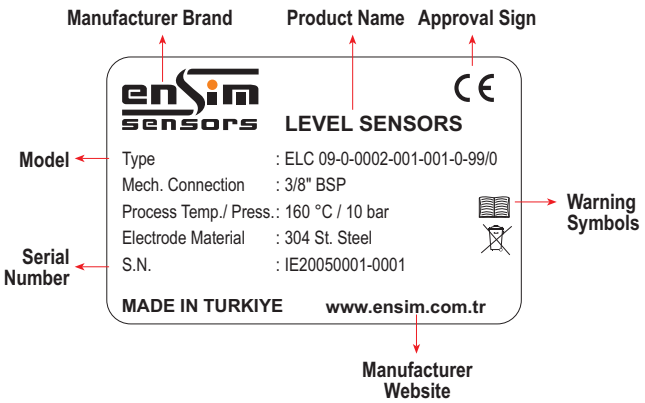
ELC 20

Electrode Material	304 St.St. Opt.316 St.St , Titanium
Body Material	PP
Max. Working Temp.	85 °C
Max. Working Pressure	10 Bar
Mechanical Connection (R)	3/4" BSP Male Thread
Electrical Connection	2 m. Cable , PG 7



L=85 mm
(Stable)

Label :



Order Form : Please consider sample models when coding!..

1 MODEL ELC

Small Boiler Type.....09f
Small Type with Socket.....09
Textile Type.....09m
Economic Type.....10
Economic Mini Type.....10m
High Temperature Type.....11
HighTemperature Type with Aluminum Housing...12
High Temperature Type With Stainless Steel Housing 13
High Temperature Type With Stainless Steel Housing 13x
High Temperature IP 65.....14
Boiler Type.....20f
Water Leakage Type.....20

2 CERTIFICATE

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

3 CONNECTION

1/4"BSP 0002
3/8"BSP 0003
1/2"BSP 0004
3/4" BSP.....0005
1" BSP.....0006
DN25, ANSI 300.....1106
Special.....x

4 CONNECTION MATERIAL

304 Stainless Steel.....001
316 Stainless Steel.....002
PP 021
Special.....x

5 ELECTROD MATERIAL

304 Stainless Steel.....001
316 Stainless Steel.....002
Titanum.....009
Special.....x

6 HOUSING

None.....0
Stainless Steel Housing, B13x.....506
Aluminum Housing , B96x.....853
Aluminum Housing , B22x.....750
Special.....x

7 ELECTRICAL CONNECTION

Polyamide Small Socketed P01.....51
PVC Cable (Max. 105 °C).....81
Silicon Cable (Max. 200 °C).....82
With Cable.....99
Special.....x

8 OPTIONAL

None...../ 0
Level Control Device...../ SK-P3
Level Control Device...../ SK-P4
Special...../ x

SAMPLE :

ELC 09f-0-0002-001-001-0-99-0
ELC 09f - 3/8” BSP Connection and Electrod - 304 Stainless Steel - Cable Output

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