

DX-ELG series ex-proof magnetic contact and transmitter are used with magnetic level indicator. It can be used comfortably in environments that cause corrosion or high temperatures. Because, it does not have to contact with the liquid.

Working Principle :

Due to the reed relay and electronic circuit inside, DX-ELG series ex-proof magnetic contact and transmitter work with the magnetic field created by the float inside the magnetic level gauges. For this reason, they are mounted in the bodies of magnetic level gauges.



Certification



II 2G Ex db IIC TX¹ Gb For Gas

II 2D Ex tb IIIC TX² Db For Dust

-20°C ≤ Tamb ≤ +60°C , IP 66/68 (2 Metre / 2 Meters)

* Have a look at the temperature class chart.

DX-ELG

ACCESSORIES

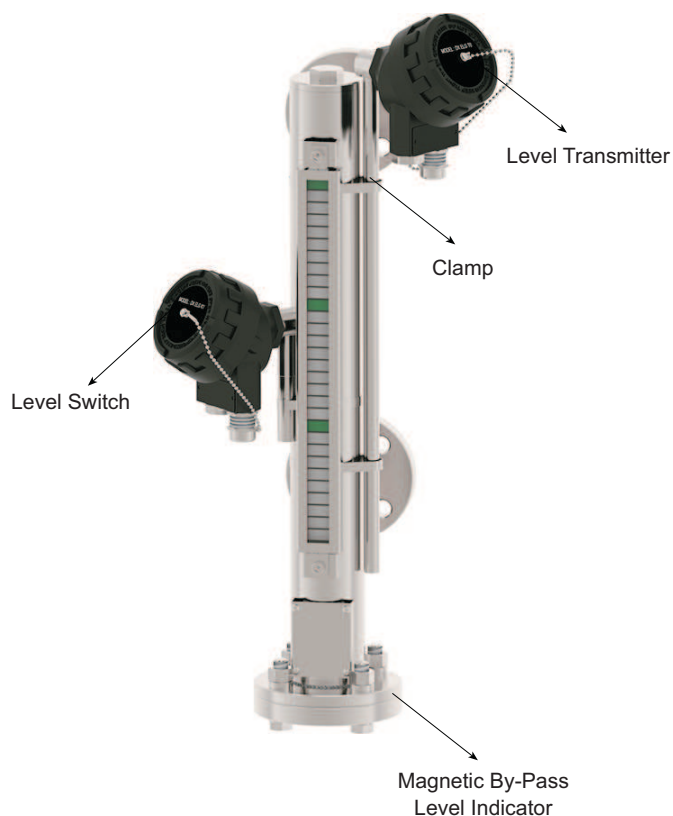
DX-ELG-K4 (Switch)

DX-ELG-T9 (Transmitter)

Advantages :

- * Economic.
- * Short delivery time.
- * Easy montage.

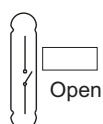
CE 1783



MAGNETIC CONTACT

DX-ELG-K4

Contact Element	Reed Sensor SPST-NO	Reed Sensor SPDT-NO/NC	Reed Sensor SPDT-NO	Reed Sensor SPDT-NO/NC (Std.)
	Hold Type			
*Contact Current	1,5 A	1 A	1 A	1 A
*Max. Contact Power	20 W / VA	20 W / VA	20 W / VA	20 W / VA
*Max.Switching Voltage	200 VDC / 250 VAC	150 VDC / 140 VAC		
Case Material	Aluminium, ALSi2Fe Black (RAL 9005)			
Electrical Connection	Terminal			
Clamp Material	304 Stainless Steel			
Operation Temperature	(-) 20 °C...(+) 145 °C			
Working Temperature	(-)40 °C...(+)60 °C			
Protection Class (EN60529)	IP 66 / 68			
	It's attached to body clamp			



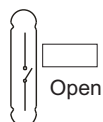
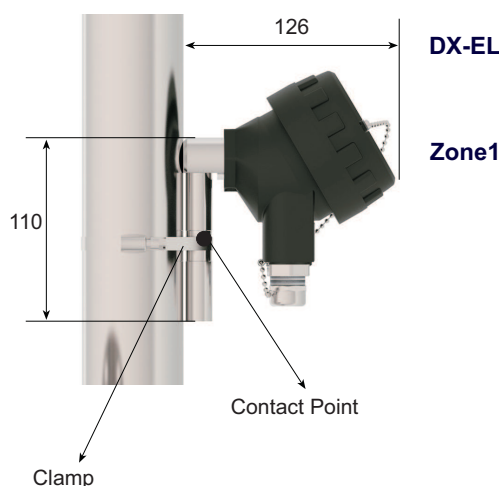
(NO) 1
(Com) 3

NO Hold Contact



(NO) 1
(NC) 2
(Com) 3

NO/NC Contact (Std.)



(NO) 1
(Com) 3

NO Contact



(NC) 2
(Com) 3

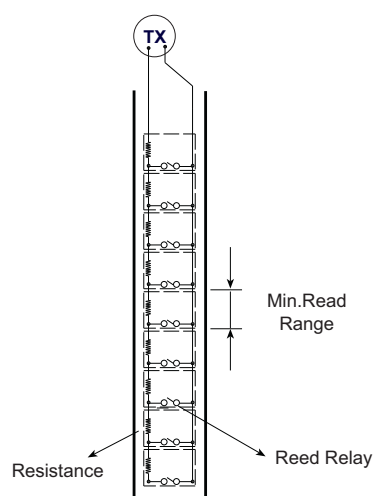
NC Contact



TRANSMITTER

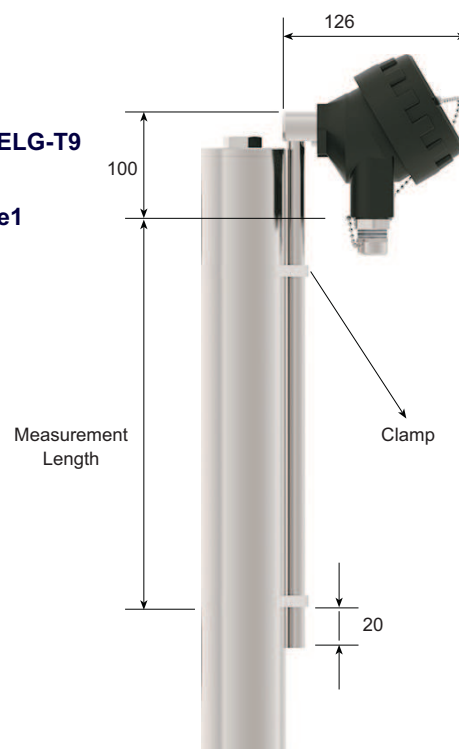
DX-ELG-T9

Housing	Aluminium
Tube Material	304 Stainless Steel
Min. Measure.Distance	15 mm or 10 mm or 5 mm
Power Supply	10...36 VDC
Output	2 Wire 4-20 mA, 3-180, 10-180, 240-33 Ohm Opt. HART 3 Wire 4-20 mA, 0-20 mA, 20-4 mA, 20-0 mA, 0-10 V, 10-0 V, 1-5 V, 5-1 V, 0-5 V, 5-0 V
Clamp material	304 Stainless Steel
Electrical Connection	Terminal
Operation Temperature	(-) 20 °C...(+) 145 °C
Protection Class (EN60529)	IP 66 / 68
Working Temperature	(-) 40 °C...(+) 40 °C
	It's attached to body clamp



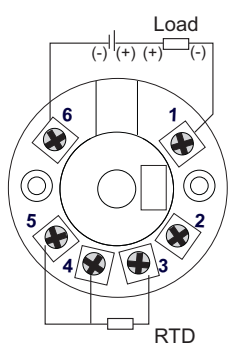
DX-ELG-T9

Zone1

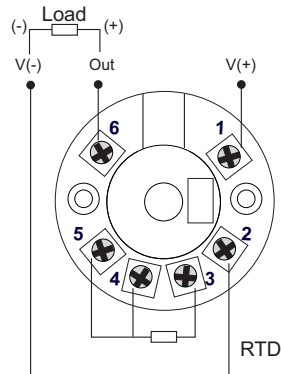


Electrical Connection :

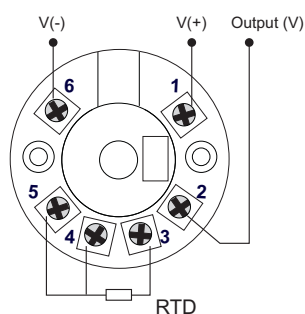
4-20mA Two Wire



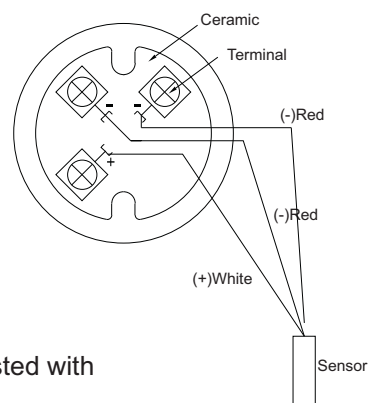
4-20mA Three Wire



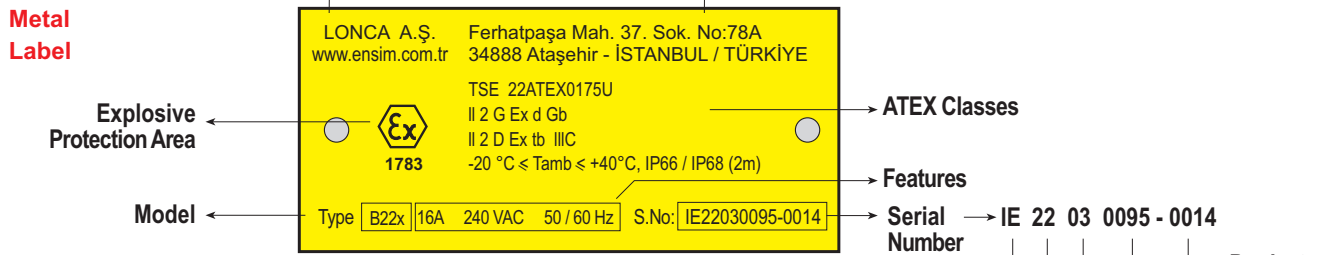
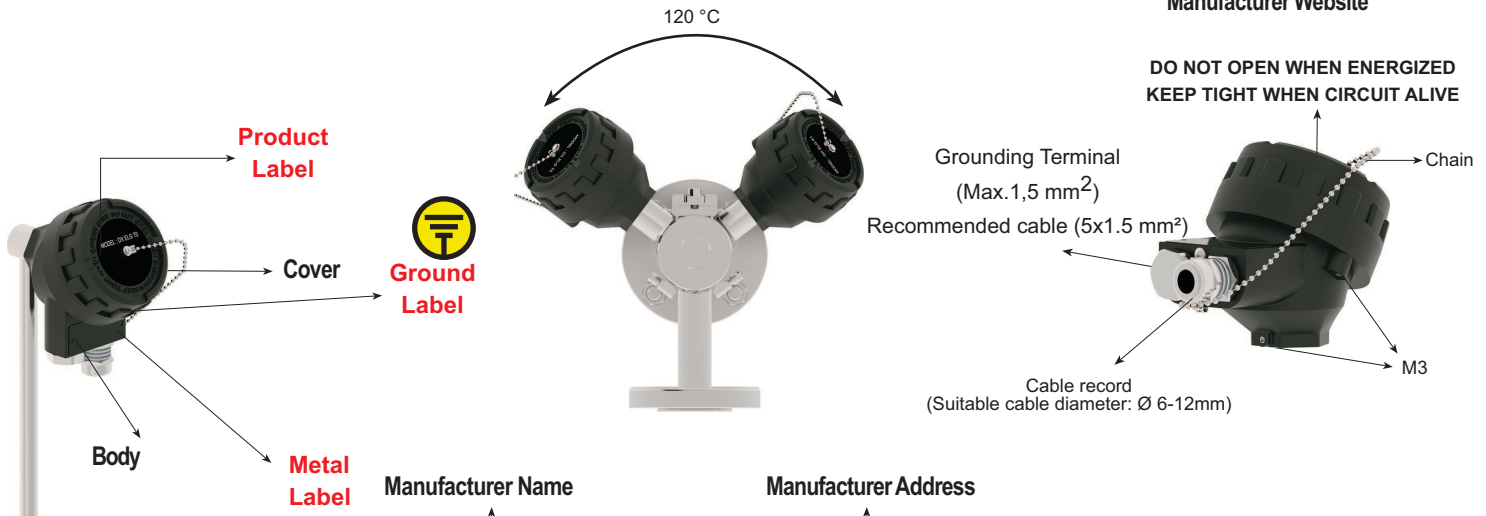
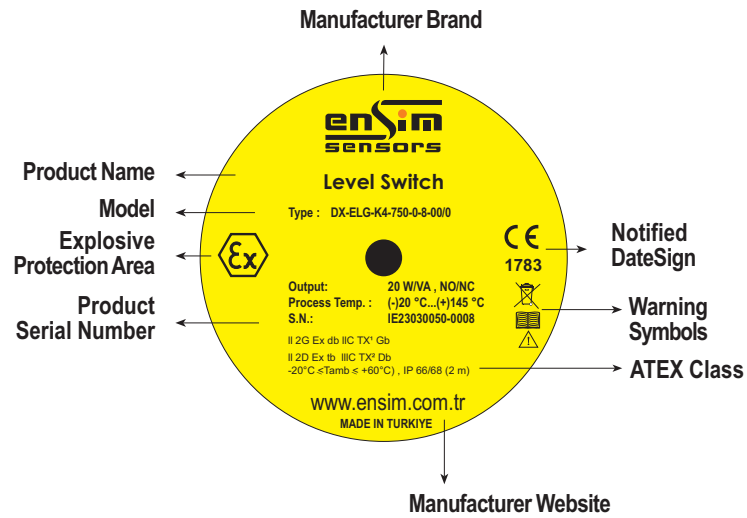
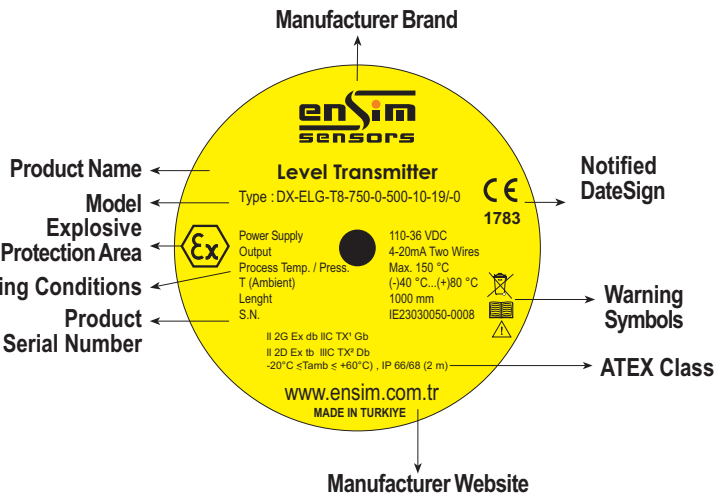
0-5V, 1-5V, 0-10V Three Wire



pt100 or pt1000



Note : It has been produced according to IPC A 600 class 2 conditions and tested with 100 % E-test. Moreover, HASL (non-lead) surface test has been applied.



Note : If the ATEX certificate metal label is damaged, you can contact the manufacturer with the serial number.

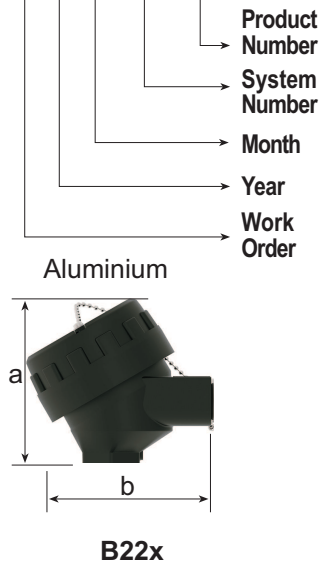
Housing:

ORDER CODE	TYPE	MATERIAL	PROTECTION CLASS	TEMPERATURE (°C)	SIZE a x b (mm)
750	B22x	Aluminium	IP 66 / 68	(-) 40...(+) 200	117 x 102

Cover Seal : NBR Nitrile Rubber 120 °C, Opt. FPM (Viton) 200 °C)

EU-Type Examination Certificate Number : TSE 22ATEX 0175U

The marking of the equipment :



Temperature Class Table

STD. MODEL	DX-ELG-K4 (Metal)
Working temperature	(-) 20 °C... (+) 145 °C
Without opening the cover standby time	30 min.

Thermal Protection Insurance is 105 °C

(-) 20° C < T Ambient < (+) 60° C Working Temperature: (-) 40 °C... (+) 145 °C GROUP II		
DX-ELG (Metal)		
T Ambient MAX. AMBIENT TEMPERATURE ZONE 21 / 1	T Process MAX. PROCESS TEMPERATURE ZONE 20 / 0	TEMPERATURE CLASS
60°C	<80°C	T6
60°C	<95°C	T5
60°C	<125°C	T4
60°C	<145°C	T3

(-) 20° C < T Ambient < (+) 60° C Working Temperature: (-) 40 °C... (+) 60 °C GROUP III		
DX-ELG (Metal)		
T Ambient MAX. AMBIENT TEMPERATURE ZONE 21 / 1	T Process MAX. PROCESS TEMPERATURE ZONE 20 / 0	TEMPERATURE CLASS
60°C	<60°C	T60°C

STD. MODEL	DX-ELG-T9 (Metal)
Working temperature	(-) 20 °C... (+) 145 °C
Without opening the cover standby time	30 min.

Thermal Protection Insurance is 105 °C

(-) 20° C < T Ambient < (+) 60° C Working Temperature: (-) 40 °C... (+) 145 °C GROUP II		
DX-ELG (Metal)		
T Ambient MAX. AMBIENT TEMPERATURE ZONE 21 / 1	T Process MAX. PROCESS TEMPERATURE ZONE 20 / 0	TEMPERATURE CLASS
60°C	<80°C	T6
60°C	<95°C	T5
60°C	<125°C	T4
60°C	<145°C	T3

(-) 20° C < T Ambient < (+) 60° C Working Temperature: (-) 40 °C... (+) 60 °C GROUP III		
DX-ELG (Metal)		
T Ambient MAX. AMBIENT TEMPERATURE ZONE 21 / 1	T Process MAX. PROCESS TEMPERATURE ZONE 20 / 0	TEMPERATURE CLASS
60°C	<60°C	T60°C

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

1 TRANSMITTER DX-ELG-T9

Aluminium Housing , B22x , IP66 / 68.....750

2 CERTIFICATE

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

3 LENGTH

....mm

4 SENSITIVITY RANGE

15 mm (Std).....15 1 mm.....01
10 mm.....10 5 mm.....05
Special.....x

5 OUTPUT

4-20mA Two Wire.....19 3-180 Ohm.....23
4-20mA Three Wire.....20 10-180 Ohm.....24
0-10V Three Wire.....21 240-33 Ohm.....25
0-20mA Three Wire.....22 Special.....x

6 OPTIONAL

None...../ 0 Special...../ x

EXAMPLE

DX-ELG-T9 - 750 - 0 - 500 - 10 - 19 / 0 Level Transmitter , 4-20mA Two Wire , 500 mm , 10 mm Intermittent

1 CONTACT DX-ELG-K4

Aluminium B22x.....750

2 CERTIFICATE

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

3 CONTACT STRUCTURE

NO Reed Relay.....6 NO / NC Reed Relay (Std.).....8
NC Reed Relay.....7 NO Hold Type Reed Relay.....9
Special.....x

4 ELECTRICAL CONNECTION

Terminal.....00

5 OPTIONAL

None...../ 0 Special...../ x

EXAMPLE

DX-ELG-4K - 750 - 0 - 8 - 00 / 0 Level Switch NO / NC Contact, Terminal Connection