

LEVEL SWITCHES ATEX TYPE MULTIPOINT O.E1

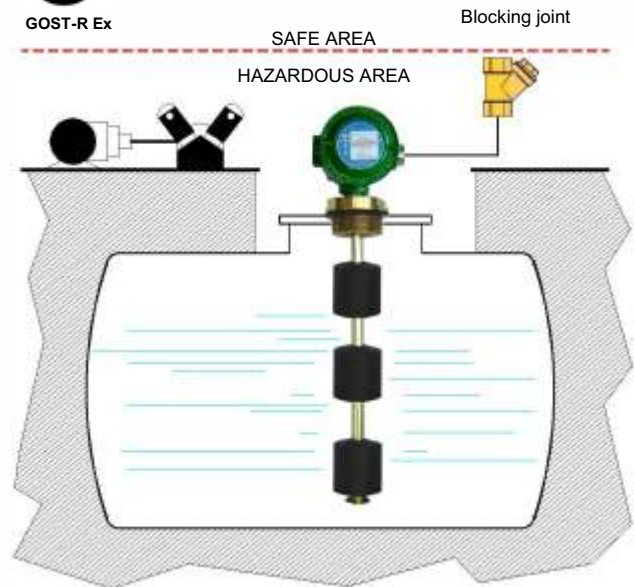
APPROVED IN ACCORDANCE WITH THE EUROPEAN STANDARD 94/9/EC - ATEX



These instruments, explosion-proof certified CESI 03 ATEX 272 Ext.2 II 1/2G Exd IIB IIC T6/T5 Ga/Gb, are used to control the level of liquids or fuel in tanks, both underground and outdoors, installed in hazardous areas where flammable products are treated.

STANDARD DATA SHEET

Brass – Spansil – Stainless steel rod
 Up to 6 switch points.
 Up to 6 m length.
 Maximum working pressure 20 bar depending on used float.
 Standard working temperature up to 100°C.
 Executions up to 120°C on request.
 Operating ambient temperature
 T6 -40/+40°C T5 -40/+60°C
 Minimum degree of protection IP67.
 Built-in temperature sensors, on request.
 PT – PTC – NTC – Thermostat (Thermoprotector).



FLOATS

Tab.1



Material	Spansil – Butadiene - Acrylonitrile Copolymer											
Specific gravity	0,59	0,44		0,4		0,45		0,4		0,35		0,45
Contact type	3	3	6D	3	6D	3	3	6D	4	6	4	6
Max N. contacts	1	4	3	4	3	6	6		4	3	6	
Max. bar	10	20										
Max. °C - Class	L = 100°C											
On request	M = 120°C											

ELECTRICAL CONTACTS

Tab.2

TYPE		POWER		VOLTAGE		CURRENT	
		VA	W	AC	DC	AC	DC
SPST	3	70	50	300	350	0,5	0,7
SPST	4	80	80	250	250	1,3	1,3
SPDT	6	60	60	230	230	1	1
SPDT	6D	20	20	150	150	0,5	0,5

ELECTRICAL OUTPUT

Tab.3

E1	IP67 Housing Max. 18 terminals
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Heatsink - see dimension (*) **Temperature class** **M**

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PROCESS CONNECTION

Tab.4

Float type	Installation from outside – available thread and flanges						
	20 3/4"	25 1"	32 1 1/4"	40 1 1/2"	50 2"	FOHX Flange	DN50 Flange
G-C-N	-	-	-	-	-	-	-
G-C-N	G-C-N	-	-	-	-	•	-
G-C-N	G-C-N	-	-	-	-	•	-
G-C-N	G-C-N	-	-	-	-	-	-
G	G	G-C-N	-	-	-	•	•
G	G	G-C-N	G-C-N	-	-	•	•
G	G	-	G	G-C-N	-	•	•

Available materials

O	S
Stainless steel	AISI-316 On request

DN = Available materials

C
Steel

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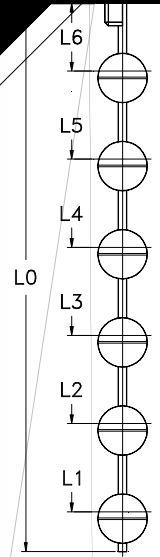
FLANGE

FLANGE

FLANGE

points ± 3 mm .

	B44
35	35
50	55
40	40
75	75
6D	4 6 4 6
6	4 3 6



bottom of the rod inside the instrument.

NTC

Resistance at 25°C 2-5-10-50-100 KΩ
Precision ± 5% / ± 3% (on request)

TRP (Thermoprotector)

70°C + 120°C - 10°C step
Precision ± 5% Differential 40°C

L I22 L1+L6

	Number of contacts S1 / M2+M6
Tab.1	Float
Tab.2	Electrical contact
-	Total length = L0 in mm. (See drawing)
Tab.4	Stainless steel rod material
Tab.4	Process connection dimension
Tab.4	Process connection thread
Tab.4	Process connection material
Tab.3	Electrical output
Tab.1	Temperature class
Tab.5	Wiring and contact status
Tab.6	Switch points (mm)

controls Exd certified must be connected by interposing the appropriate blocking joints according to the European Standard EN 50018