

# USE:

The float level IEXD are built in accordance with the ATEX Directive (2014/34/EU) for use in the control of different levels of a liquid in a tank located in a generic environment where there is an explosive atmosphere for a long period, consisting of a mixture with air or flammable substances in the form of gas, vapor or mist (zone 0 - ref. EN 60079-10). The level switches IEXD are marked

# **OPERATION:**

The level switches are based on the interaction between magnetic field and a reed switch, with a single contact for each level of the liquid to be monitored: when the float of the indicator meet the Reed switch incorporated in the tube at the preestablished distances, the contact activated by the magnet housed in the float opens or closes, thus obtaining the possibility of sending a luminous or acoustic signal or disconnecting any electronic device connected to it.

The changeover takes place without direct contact between the reed and the liquid.

## **FITTING:**

The indicator must be fitted in the vertical position, and the float must be at least 35mm from ferrous surfaces (walls, tanks, etc.). A gasket (flat or toroidal) guarantees from leakage through the hole of the level indicator

# **POSSIBILITY:**

These level switches allow you to stay bimentallic thermostat or an PT100 in order to monitor, discretely and continuously, the temperature reached by the liquid inside the tank.





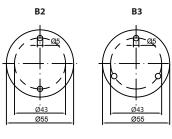


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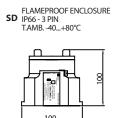
#### SPECIFICATIONS AND ORDERING INFORMATION

FLAMEPRROF ENCLOSURE TYPE

### FIANGED PROCESS CONNECTION



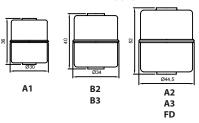






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AISI 316 SIZE FLOAT AND FLANGE WHICH THEY ARE USED



TYPE OF CONTACT	ELECTRICAL CHARACTERISTICS													
	POWER COMMUTABLE IN D.C.	POWER COMMUTABLE IN A.C.	CURRENT STRENGTH IN A.C.	COMMUTABLE VOLTAGE										
S.P.S.T.	40 W	40 V.A.	1,3 A	230 V ac/dc										
S.P.D.T.	20 W	20 V.A.	1 A	150 V ac/dc										

	FLOATS										
	A1	A1 B2/B3									
Minimum distance between points (mm)	50	60	75								
Minimum distance from the bottom (mm)	30	35	45								

MOD	PROCESS CONNECTION		MEPR	loof Ure	"L" TOTAL	"LI"				"L2"					"L3"				"L4"				"L5"				TEMPERATURE CONTROL																		
	A1 1" BSP			PIN																							N	NOTHING																	
	A2 2" BSP	9 0	-	9			NCE	NCE	S.P.D.T.		NCE NCE					ABSENCE	NCE	)		ABSENCE	NCE			NCE	NCE		PT	PT 100 (ITS 90)																	
	A3 1"1/2 BSP		3 PIN	00F			ABSENCE	ABSENCE			ABSENCE	ABSEN			BSE	BSEN			BSE	BSEN			ABSENCE	BSEN		5C	50°C N.C.																		
	B2 FLANGE Ø55-2 HOLE		AMEPRO	LAMEPROOF	0	Ę.	Z	N		2"	Z	C. IN			D.T.	Ēn	Z	z z	D.T.	- <del>4</del>	. I Z	z	NOTHING	5	N	A NI	HING	50	50°C N.O.																
IEG-IEXD	B3 FLANGE Ø55-3 HOLE	EPR(		AM	2000	QUOTE "L:	N.O.	N.C.		1. ∀	V.O		S. N.	A "L	N.O.	N.C.	S.P.	A L	N.O.	N.C. N.O.	VOT	"∟ ∀	N.O.	N.C.	TOT	6C	60°C N.C.																		
	FD FLANGE CLAMP 2"1/2	AM		TEEL FI	100. L		S.P.S.T.	S.T.		QUOT		S.T.		÷ –		QUOTA	S.T.	S.T.	i	QUOTA	S.T.	.S.T.	_	QUOT	S.T.	S.T.	-	60	60°C N.O.																
	RR FLANGE ON REQUEST	Е	1	STE			S.P.	S.P.		ð	S.P.	S.P.			ð	S.P.	S.P.	ď		S.P.	S.P.		ð	S.P.	S.P.		<b>7C</b>	70°C N.C.																	
		SL		S	s/																							70	70°C N.O.																
			CI.		<b>C1</b>	<b>C1</b>	CI.	C1	C1	cı	sı	C1	C1	cı.	CI.	51	<b>C</b> 1		SD	<b>CD</b>	SI			0	c	S		0	С	s s	z		0	С	z		0		z		0	0	N	8C	80°C N.C.
			50	31	51			0	5				5	51	~				~		5		~					80	80°C N.O.																
IEG-IEXD	A3		SL		L=1500	1450	I50 O		600 C				N				N				N					РТ																			

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