## IEG-N1F IEG-N2F



# ELECTROMAGNETIC LEVEL INDICATOR WITH ONE CONTACT AND FLANGED CONNECTION



### **USE:**

Built to ensure the minimum or maximum level of liquids in tanks with maximum safety.

Suitable for tanks containing liquids compatible with the brass tube, such as hydraulic or lubricating oils (provided their density does not exceed 220 cSt), petroleum, etc.

#### **OPERATION:**

When the float of the indicator in its travel encounters the built-in Reed switch at the pre-established point, the contact, actived by the magnet housed in the float, opens or closes, thus obtaning the possibility of sending a luminous or acoustic signal or activating or interrupting any electrical equipment connected to it.

#### **ASSEMBLY:**

The indicator must be mounted in a vertical position, ensuring that the float is at least 35mm away from ferrous surfaces (walls, tanks, etc.).

Max Pressure: 10 Bar

## **DATA AND TECHNICAL ORDER**

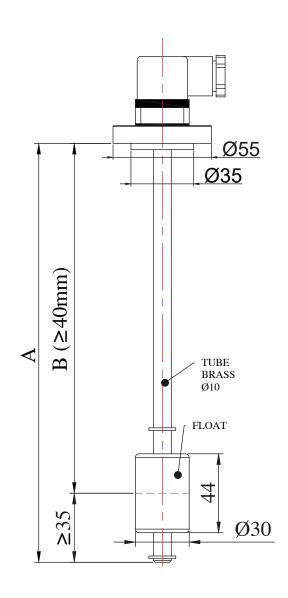
**FLOATS** PROCESS CONNECTION **ELECTRICAL CONNECTIONS ELECTRICAL DATA** 1 - 2 - 3

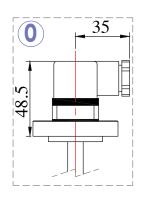
	ELECTRICAL CHARACTERISTICS										
ELECTRICAL CONTACTS	DC SWITCHABLE POWER	AC SWITCHABLE POWER	AC CURRENT INTENSITY	SWITCHABLE VOLTAGE	SWITCHABLE VOLTAGE WITH M12						
SPST	80 W	80 V.A.	1,3 A	250 VDC	60 VDC						
3231	80 W	80 V.A.	1,3 A	250 VAC	60 VAC						
SPDT	60 W	60 V.A.	1 A	230 VDC	60 VDC						
3501	00 W	00 V.A.	1 4	220 VAC	COVAC						

	MODEL			LENGTH	CI	HECKPOIN	NT	E1	ECTRICAL					LENGTH OF CABLE							
		CONTACT	NUMBER OF		PROCESS	"A"		"B"			NNECTION		FLOAT	OPERATING T	TEMPERATURE	(POTENTIAL)					
		TYPE	CHECKPOINTS	١	CONNECTION		QUOTE	1	NATURE	CONTROLL						(. 5 . 2 . 4 . 1 . 1 . 1					
			F	FLANGE Ø55 WITH 3 HOLES			С	N.C. IN THE PRESENCE OF	0	CONNECTOR IP65	1	NYLON Ø30X44									
	IEG-N1	SPST		•	ANODIZED ALUMINUM				LIQUID (N1)	1	6 POLES - ALUMINUM HEAD		,	s	-20+80°C						
	ILG-IVI	3131			ALOMINOM				(/		IP68				-20100 C						
				1	1	1	1 A	- 1 A	۸	FLANGE Ø55 WITH 2 HOLES	≥ <mark>75</mark> mm	≤ (A - 35)mm	0	N.O. IN THE PRESENCE OF	3	PVC CABLE -20°C+80°C	2	NBR Ø30X44			WITH PVC OR
										_	ζ	ANODIZED ALUMINUM	2 /3 /////	2 (A - 55)iiiii	)	LIQUID (N1)	4	SILICONE CABLE -20°C+120°C	3	P.P. Ø30X44	
	IEG-N2	SPDT			FLANGE Ø70					5	M12 CONNECTION		,	н	-20+120°C						
	120 142	3701		С	WITH 6 HOLES			S	EXCHANGE		INIZ CONNECTION		NDD		20120 C						
						ANODIZED ALUMINUM			,	(N2)	6	M12 CONNECTION + CONNECTOR IP67	4	NBR Ø30X20							
		IE	G-N1F			75	40		С		3		1		S	L=1000					

# IEG-N1F IEG-N2F

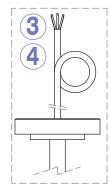
## **ELECTRICAL CONNECTIONS**





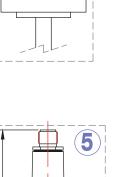
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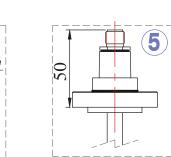
90



6

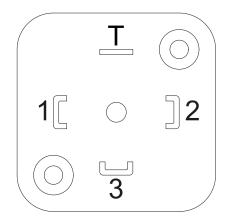
81

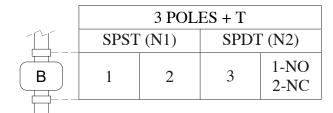




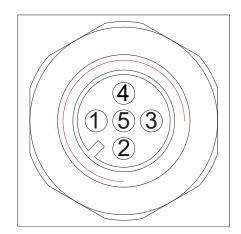
### **ELECTRICAL CONNECTION TABLE - N1 & N2**

Connector CE EN 175301-803-A IP65 PG9/11 (electrical connection **0**)



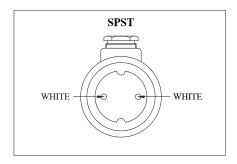


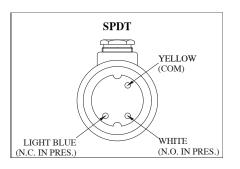
Circular Connector 5P M12 EN 60529 IP67 (electrical connection **5**)



		M12 5	POLES				
	SPST	(N1)	SPDT (N2)				
В	1	2	1	2-NO 3-NC			

Aluminum Head IP68 (electrical connection 1)





PDT (N2)
WHITE-N.O. W LIGHT BLUE-N.C.
)

N.B.: the nature of the contact is considered in the presence of liquid



## IEG-MMF IEG-MSF



# ELECTROMAGNETIC LEVEL INDICATOR WITH TWO CONTACTS AND FLANGED CONNECTION



#### **USE:**

Built to ensure the minimum or maximum level of liquids in tanks with maximum safety.

Suitable for tanks containing liquids compatible with the brass tube, such as hydraulic or lubricating oils (provided their density does not exceed 220 cSt), petroleum, etc.

#### **OPERATION:**

When the float of the indicator in its travel encounters the built-in Reed switch at the pre-established point, the contact, actived by the magnet housed in the float, opens or closes, thus obtaning the possibility of sending a luminous or acoustic signal or activating or interrupting any electrical equipment connected to it.

#### **ASSEMBLY:**

The indicator must be mounted in a vertical position, with the warning that the float is at least 35mm away from ferrous surfaces (walls, tanks, etc.).

IEG-MS level switch with SPDT separate contacts or with a common, requires an aluminum connection head containing a number of terminals suitable for use (5 or 6). Alternatively, it is possible to use the M12 connection only with 2 SPDT contacts with a common.

**Max Pressure: 10 Bar** 

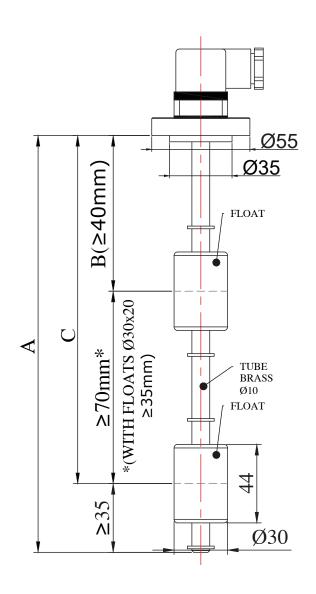
### **DATA AND TECHNICAL ORDER**

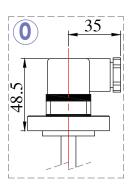
**FLOATS** PROCESS CONNECTION **ELECTRICAL CONNECTIONS ELECTRICAL DATA** 1 - 2 - 3 ELECTRICAL CHARACTERISTICS ELECTRICAL SWITCHABLE DC SWITCHABLE AC SWITCHABLE AC CURRENT SWITCHABLE CONTACTS **VOLTAGE WITH** POWER POWER INTENSITY VOLTAGE M12 250 VDC 60 VDC 60 VAC SPST 80 W 80 V.A. 1,3 A 250 VAC 230 VDC 60 VDC SPDT 60 W 60 V.A. 1 A 230 VAC 60 VAC

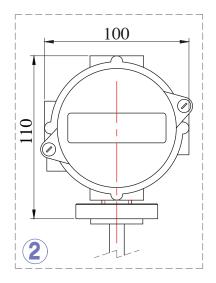
		/IODEL		LENGHT		CHECKPOIN	Т		CHECKPOINT										LENGTH OF CABLE
	CONTACT TYPE	NUMBER OF CHECKPOINTS	PROCESS CONNECTION	"A"	QUOTE	"C"	ATURE	QUOTE	"B"	TURE	ELECTRICA	L CONNECTION		FLOAT	OPERATING	TEMPERATURE	WII	RING	(POTENTIAL)
			FLANGE Ø55		QUOTE		N.C. IN THE	QOOTE	NA	N.C. IN THE	0	CONNECTOR IP65	1	NYLON Ø30X44					
IEG-MM	SPST		F WITH 3 HOLES ANODIZED ALUMINUM			С	PRESENCE OF LIQUID (MM)	≤ (C - 70)mm *WITH FLOAT	С	PRESENCE OF LIQUID (MM)	1	6 POLES - ALUMINUM HEAD IP68		ψ30X44	- S	-20+80°C	1	1 COMMON	
		_						1-2-3			2	10 POLES - ALUMINUM HEAD IP65	2	NBR Ø30X44					
		2	A FLANGE Ø55 WITH 2 HOLES ANODIZED ALUMINUM	≥ 145 mm	≤ (A - 35)mm	0	N.O. IN THE PRESENCE OF LIQUID (MM)		o	N.O. IN THE PRESENCE OF LIQUID (MM)	3	CABLE OUTPUT PVC -20°C+80°C (MM)							L= WITH PVC OR SILICONE CABLE
			ALOWINOW				(,	-		()	4	CABLE OUTPUT SILICONE -20°C+120°C (MM)	3	P.P. Ø30X44					
IEG-MS	SPDT		FLANGE Ø70 WITH 6 HOLES			ď	EXCHANGE	≤ (C - 35)mm *WITH FLOAT 4	ď	EXCHANGE	5	M12 CONNECTION (MS 1COMMON)			н	-20+120°C	S	SEPARATED	
			C ANODIZED ALUMINUM	(MS)	6	M12 CONNECTION + CONNECTOR (MS 1COMMON) IP67	4	NBR Ø30X20											
	IEC	G-MMF	·	145	110		0	40		С		3		1		S		1	L=1000

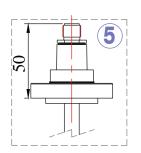
## IEG-MMF IEG-MSF

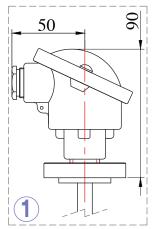
## **ELECTRICAL CONNECTIONS**

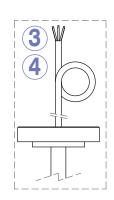


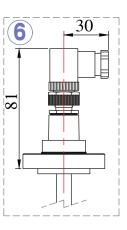






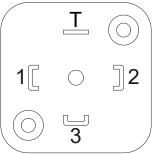


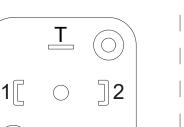


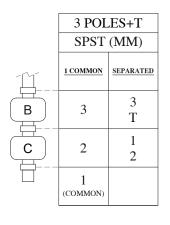


### **ELECTRICAL CONNECTION TABLE - MM & MS**

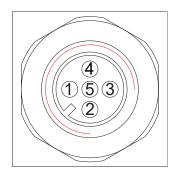
Connector CE EN 175301-803-A IP65 PG9/11 (electrical connection 0)



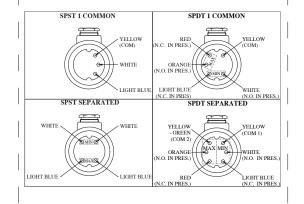




Circular Connector 5P M12 EN 60529 IP67 (electrical connection **5**)



Aluminum Head IP68 (electrical connection 1)



Aluminum Head IP65 (electrical connection 2)



	M12 5 POLES								
	SPST	(MM)	SPDT (MS)						
	1 COMMON	SEPARATED	1 COMMON						
В	3	3 4	4-NO 5-NC						
C	2	1 2	2-NO 3-NC						
	1 (COMMON)		1 (COMMON)						

ı	6 POLES									
	SPST	(MM) SPDT (MS)								
·   <u>-</u> [[	1 COMMON	SEPARATED	1 COMMON	SEPARATED						
B	LIGHT BLUE	LIGHT BLUE	ORANGE-N.O. RED-N.C.	YELLOW-GREEN ORANGE-N.O. RED-N.C.						
	WHITE	WHITE WHITE	WHITE-N.O. LIGHT BLUE-N.C.	YELLOW WHITE-N.O. LIGHT BLUE-N.C.						
	YELLOW (COMMON)		YELLOW (COMMON)							

	10 POLES									
	SPST	(MM)	SPDT (MS)							
	1 COMMON	SEPARATED	1 COMMON	SEPARATED						
В	3	3 4	4-NO 5-NC	4 6-NO 5-NC						
C	2	1 2	2-NO 3-NC	1 2-NO 3-NC						
	1 (COMMON)		1 (COMMON)							

N.B.: the nature of the contact is considered in the presence of liquid

