

Float level switch for bilge fluids

AI.BL Series Bilge Level Switch



EU RO MR TYPE APPROVAL



DESCRIPTION

The level switch is suitable for fluids in general, especially used in the shipbuilding industry on the control of bilge water and all fluids. Our AI.BL Series is composed of a float totally in AISI 316 L Ø 52 mm very resistant. All encapsulated in its antidirt case, and also protected in which in AISI 316 L, gives a maximum degree of reliability to the level indicator.

Located in the bilge, the intervention and the Exchange of SPDT contact, occurs with the liquid present in the bilge rising from the lowest point of the sensor.

The versatility of the common control SPDT on/off allows greater adaptability to all operating characteristics without touching the inside of the float to change its position.

PRINCIPAL FEATURES

- Robust case AISI 316 L, thickness 3 mm, length 79 mm
- Level switch functionality test lever in AISI316 L
- Marine type RINA Type approval certification

APPLICATIONS

- Bilge fluids monitoring
- Monitoring of all existing Fluids with density $\geq 680 \text{ Kg/m}^3$
- Compatible fluids AISI 316 L

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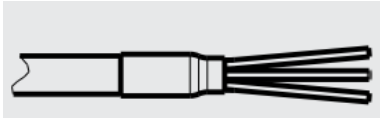
•EU RO MR Type Approval - Certificato No. EMR064725CS

The AI.BL Series bilge level switch is recognized, with this certificate, by the following registers:

- American Bureau of Shipping (ABS);
- Bureau Veritas (BV);
- China Classification Society (CCS);
- Croatian Register of Shipping (CRS);
- DNV;
- Indian Register of Shipping (IRS);
- Korean Register (KR);
- Lloyd's Register Group Ltd. (LR);
- Nippon Kaiji Kyokai General Incorporated Foundation (ClassNK);
- Polish Register of Shipping (PRS);
- RINA Services S.p.A. (RINA).

TECHNICAL SPECIFICATIONS

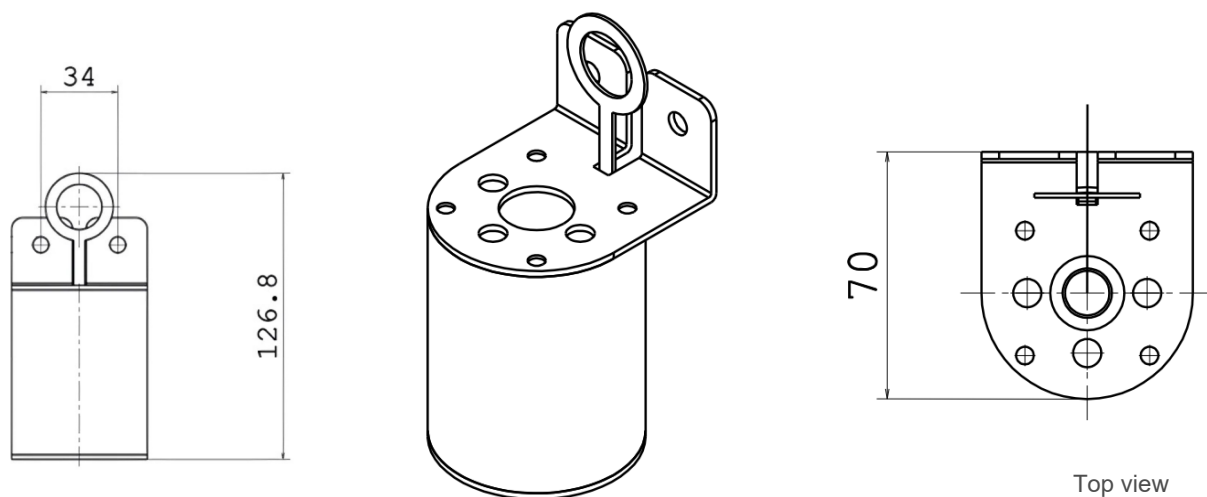
Connection scheme

Output Cable		
	Contact (SPDT)	LEGEND:
	nc com no	nc: White com: Green no: Brown

TECHNICAL SPECIFICATIONS

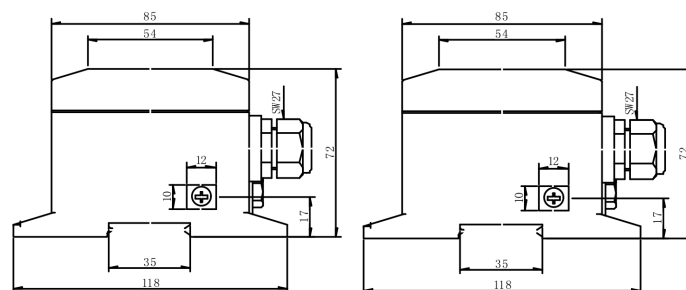
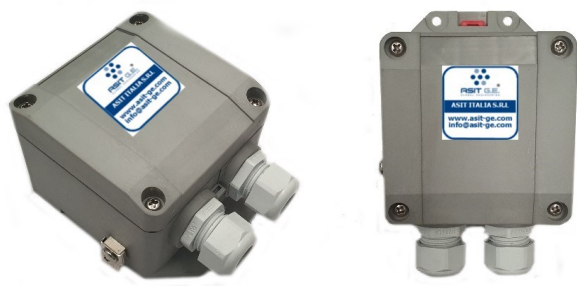
Measuring principle	The reed contact is switched by a magnet in the float with increasing level, and returns to the rest position descending level
Output type	Changeover contact (SPDT)-increasing level
Intervention position	Exchange uphill / reset downhill
SPDT contact flow in exchange	250 Vac/DC 60 W/VA 1A Exchange current 2A line current
Test device	For manual intervention of the float/contact included
Precision	Accuracy of intervention point ± 3 mm incl. hysteresis,
Electrical connection	Direct cable output 2mt
Protection class	IP 68 resinated with double seal
Mounting position	Vertical
Attack to the process	2 – hole bracket, 34mm mounting distance $\varnothing 7$ through holes
Material	
Custody Mounting Bracket Floating Test lever Reed Switch Cable	AISI 316 L AISI 316 L AISI 316L, model PFB-5252-2, dimensions $\varnothing 52$ mm AISI 316 L Model 1915 SPDT PVC 3 x 0,5 mm ² Compliant with the directive BT 2014/35/UE-2011/65/EU (RoHS 2) Regulation CPR UE 305/11-EN50525-2-11 PQA/ IEC 60228 CL.5. EN 50575:2014 + EN 50575/A1:2016
Allowed temperatures	
Fluid	-10...+ 150 °C
Process pressure	max. 20 bar
Fluid density	680 kg/m ³

External bulk dimensions



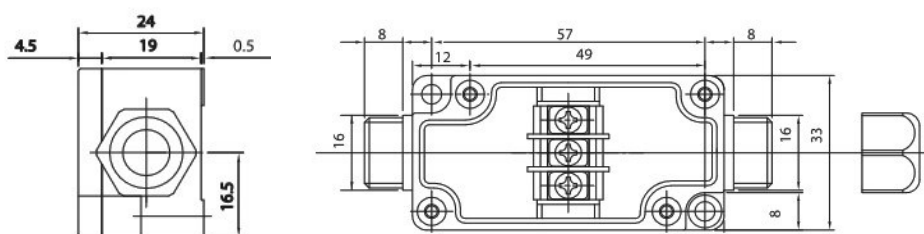
Box connection TYPE 1

- IP65 cables connection box
- Double mounting: on the wall or omega bar



Box connection TYPE 2

- IP65 cables connection box
- Single mounting on the wall



ORDER GUIDE

AI.BL Series	Float level switch for bilge fluids
METERS OF CABLE	
2: 2mt (standard)	
X: extra meters (please specify)	
BOX CONNECTION TYPE	
0: without	
1: type 1	
2: type 2	

Example:

AI.BL Series	0	2
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Description:

AI.BL Series with 2mt cable (standard) and Box Connection Type 2



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