

BSM 500

LEVEL SWITCH FOR FLOAT SYSTEMS



START-UP NOTICE

BAMO MESURES

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LEVEL SWITCH
BY MICROSWITCH
BSM 500

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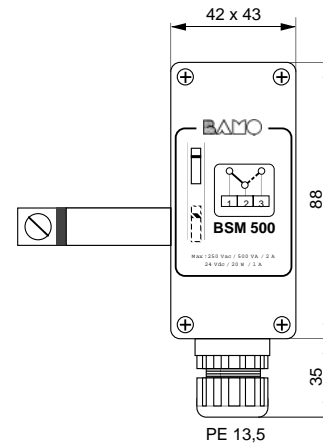
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1 - TECHNICAL CHARACTERISTICS

Function	: Change over contact.
Breaking capacity	: 500 VA / 250 VAC / 2 A.
Enclosure box	: Polycarbonate / IP 65. with internal connection and PE 13,5 cable output.
Fixing collar	: Stainless steel (with two fixing point)
Maximum T °C	: -10 °C up to 90 °C.
Fail-safe	: With Ex relay



2 - CAUTION

Ensure the breaking capacity of the contact is sufficient with high power supply.
Installation and use of contact must be out of any magnetic induction.
Use no magnetic couplings (stainless steel, plastic, brass).
Every steel part has to be at least 10cm from the contact
Do not use auxiliary magnet with the contact

3 - PRINCIPLE

BSM 500 contact is used with level indicators equipped with floats and counterweight with 32, 35 or 63 mm diameter tubes. When the float goes in front of the contact, the contact engages itself and stays in this position until the float goes in front of the contact in the other direction.
Those contacts can cut relay and some electro valves power without problems.

4 - USE & ASSEMBLY

BSM 500 contact is mounted on a level indicator tube, transparent or not, with its stainless steel tape.

- Put the contact on the tube with PE on the bottom. BSM 500 contact can be mounted everywhere the float goes on the tube.

- Fasten the tape screw to fix the controller at the required level.

- Depending on the BSM type, the tape should be open or closed.

For the MAGTOP version of the BSM 500, the tape should pass under the bicolor magnetic ruler and be fastened.

For the SFA version of the BSM 500 contact, the tape, closed, should be put on the tube, adjusted to the required level and fastened.

Ensure that electric connections are accessible.

- Unscrew the cover of the contact

- Electric connections are marked from 1 to 3 depending on the type of contact you wish: normally close 2 and 3 or normally open 1 and 2.

Pass cable through the PE.

- Put on the cover

With SFA versions, electric connections are normally close 1 and 2; normally open 2 and 3.

When the counterweight is at the top, fluid level is low.

5 - MAINTENANCE

BSM 500 contact needs very low maintenance.

But if you have a problem with it, do not hesitate to send it back to BAMO in Argenteuil.