

BISTABLE SWITCH MAGTOP Snap 201



SAFETY INSTRUCTIONS

- Installation, commissioning and maintenance may only be performed out by qualified personnel!
- Only connect the device to the voltage specified in the technical data or on the type label!
- Disconnect the device from the power supply during installation/maintenance work!
- Only operate the device under the conditions defined in the operating instructions!

NOTICE!

- Only use BAMO IER floats, no foreign magnets, not even for testing purposes
- Always install the float with the "TOP" marking facing upwards
- Always mount the cable entry point downwards
- Before commissioning, check the switching contact (with continuity tester) that the contact position corresponds to the current tank level, if necessary bring the contact with switching magnet into the correct position (see contact position).
- Stainless steel tubes may only be used if they are non-magnetic and seamlessly drawn. Welded stainless steel tubes are magnetic and interfere with proper function
- Do not mount or store near strong magnetic fields or ferromagnetic parts (steel beams, struts, container parts, etc.)

DESCRIPTION

Connected to a MAGTOP series magnetic flap indicator, the bistable switches of the MAGTOP SNAP type serve as limit switches. If the bistable switch is passed by the magnetic float running inside the indicator, it changes its position and switches. It can be freely placed along the display area as required and, taking into account the minimum distance between two switches, any number of limit values can thus be recorded.

TECHNICAL DATA

Switching principle	Magnetically actuated microswitch with changeover contact
Switching voltage	4...250V AC; 4...30V DC
Switching current	1mA...3A
Max. Fluid temperature	+160°C with clamp: +115°C
Ambient temperature	-20...+90°C
Housing	Aluminum, protection class IP65, 80x75x58mm
Electrical connection	3-pole valve connector according to DIN EN 175301-803-A

CE marking: The device fulfills the legal requirements of the applicable EU directives

MOUNTING

Place the retaining foot on the left or right retaining rod, twist the MAGTOP Snap 201 so that the housing is in direct contact with the tube. After adjusting the switching point, tighten the fastening screws on the retaining foot.

Maximum permissible distance between switch and standpipe is 1mm!

For small switching distances, always mount switches on the left and right.

Never mount two switches on top of each other without spacing!!!

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**BISTABLE SWITCH
MAGTOP Snap 201**

10-05-2023

M-560.11-EN-AA

LEV

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ELECTRICAL CONNECTION

The electrical connection is made by means of a 3-pin valve plug according to DIN EN 175301-803-A with PE connection.

NOTICE!

- The bistable switch is designed for an application with 1mA to 3A at 4 to 250V. However, the switch may only be used in one and the same type of circuit during its entire period of use!
- When assembling the valve plug, mount the plug insert so that the connection cable points in the desired direction

CONTACT POSITION

Terminal 2 = Root

When mounted on the right holding rail:

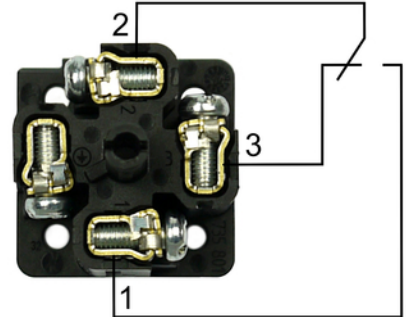
On underrun: 2 - 3 closed / 2 - 1 open
On overrun: 2 - 1 closed / 2 - 3 open

When mounted on the left holding rail:

On underrun: 2 - 1 closed / 2 - 3 open
On overrun: 2 - 3 closed / 2 - 1 open

For special version with clamp for piping 63mm

On underrun: 2 - 3 closed / 2 - 1 open
On overrun: 2 - 1 closed / 2 - 3 open



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