

Bistable change-over contact **BK-380** for MKL Mounting and Start-up Instructions

Safety Instructions

The precondition for flawless, safe operation of the change-over contacts is appropriate transport, storage, assembly, professional installation and start-up, proper use and maintenance.

These activities may only be performed by persons, who have the necessary expertise and qualifications. The relevant safety regulations for the construction and operation of electrical systems must be observed. If information contained in these instructions should prove to be inadequate in any way, please contact the manufacturer.

Function

The BK-380 is a magnetically-operated changeover contact that permanently changes its electric switching status due to a switching magnet passing by (float/weight) depending on the direction of movement. The switching status is shown in the status window of the housing cover. **PASSING UNDER =BLACK, PASSING OVER=WHITE**. After the housing cover has been opened, the switching status can be pre-set manually by turning the display wheel (BLACK/WHITE): turn clockwise "PASSING OVER", turn anti-clockwise "PASSING UNDER".

Application

For mounting on the side of our magnetic flap indicator MKL. The number and position of the changeover contacts can be chosen at random.

Mounting

Mount the switch with pipe clip parallel to the indicator rail at the desired position. The cable connection must point downwards. Only use suitable E.L.B. floats. The "TOP" marking on the float must be facing upwards during assembly. Do not install any magnetic or magnetically soft materials near the switch. Minimum distance to other changeover contacts > 40 mm.



Electrical connection

Open the housing cover and make the electrical connections in a de-energised state. Do not exceed the maximum electrical values (see technical data). Close the housing cover.

Maintenance/servicing

The BK-380 does not require any special servicing, over and above the general inspection/functional check of the electrical system.

Technical data

Connection, maximum values		Material	
Degree of protection	IP 65	Housing	Polycarbonate
Wire cross-section	Max. 1.5 mm ²	Fastening	V2A clips
Operating	- 20°C to + 70°C	Cable connection screw fitting	PA
Switching point	> 40 mm		
Switching hysteresis	approx. 10-15 mm		
Silver contact		Gold contact	
Switching voltage	24...250 V AC/DC	Switching voltage	5...250 V AC/DC
Switching current	20 mA...6A AC/DC	Switching current	1 mA...0.3 A AC/DC
Switching power	Min. 2 VA/W Max. 500 VA, 60 W	Switching power	Min. 5 mW Max. 25 VA, 3 W