

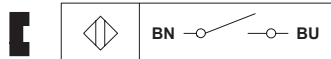
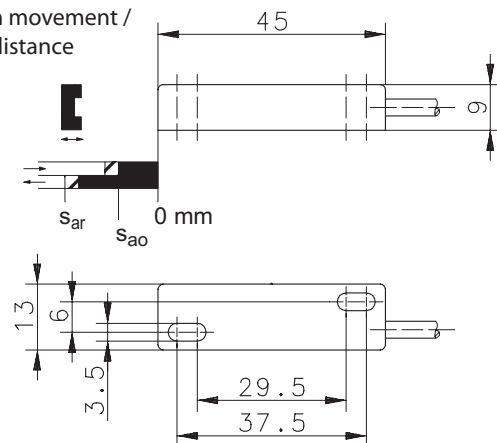
## Magnetic Switch

### Series MA-01

Description **MAK-0112-B-2**

Article number **6411201406**

#### Wiring diagram


actuation movement /  
sensing distance


#### Technical data

|                                  |                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------|
| Switching function               | N.O.                                                                               |
| Reference magnet                 | T-67 N/S (6301167054)                                                              |
| Assured operating distance - ON  | $S_a \geq 10 \text{ mm}$                                                           |
| Assured operating distance - OFF | $S_{ar} \leq 39 \text{ mm}$                                                        |
| Repeat accuracy                  | R $\pm 0,1 \text{ mm}$ , under same geometrical conditions at the same temperature |

#### Electrical data

|                                   |                                                                                                         |
|-----------------------------------|---------------------------------------------------------------------------------------------------------|
| Max. voltage                      | 230 V AC / DC                                                                                           |
| Max. switching current            | 0,5 A                                                                                                   |
| Max. switching capacity           | 10 VA                                                                                                   |
| Protection class acc. to EN 61140 | II (totally insulated)                                                                                  |
| Note                              | Combinations of switching voltage and switching current must not exceed the maximum switching capacity. |

#### Mechanical data

|                   |                                                                                     |
|-------------------|-------------------------------------------------------------------------------------|
| Enclosure         | PA6.6, black                                                                        |
| Temperature range | - 5 °C ... + 70 °C                                                                  |
| Mechanical life   | 3 x 10 <sup>8</sup> operating cycles                                                |
| Shock Vibration   | 50 g (11 ms / ½ Sinewave)                                                           |
| Vibration         | 35 g (10 - 1000 Hz)                                                                 |
| Protection type   | IP 67 acc. to EN 60529                                                              |
| Termination type  | Cable 2 x 0,34 mm <sup>2</sup> x 2 m $\pm 5 \%$ ; PVC outer jacket, black           |
| Assembly position | optional<br>(assembly on ferromagnetic material means reduction of switch distance) |

**Standards**

EN 60947-5-1

EN 62246-1

**EU Conformity**

acc. to directive 2014/35/EU (Low-Voltage-Directive)

**Notes**

Contact protection must be provided for inductive and capacitive loads.