

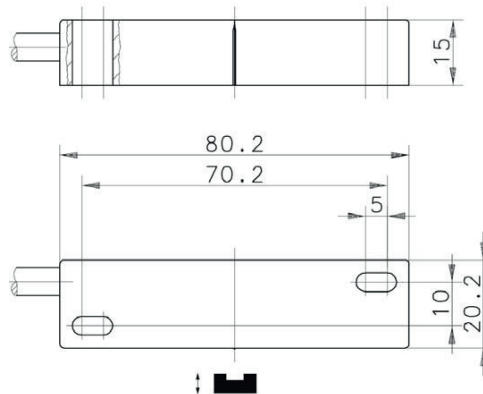
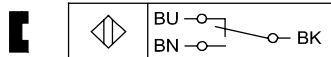
## Magnetic Switch

### Series MA-02

Description **MAK-0213-D-4**

Article number **6315302750**

#### Wiring diagram



#### Technical data

|                                  |                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------|
| Switching function               | C.O.                                                                               |
| Reference magnet                 | TK-21-02 (6303121002)                                                              |
| Assured operating distance - ON  | $S_{ao} \geq 18 \text{ mm}$                                                        |
| Assured operating distance - OFF | $S_{ar} \leq 60 \text{ mm}$                                                        |
| Repeat accuracy                  | R $\pm 0,1 \text{ mm}$ , under same geometrical conditions at the same temperature |
| Utilization category             | DC-12                                                                              |

#### Electrical data

|                                   |                                                                                                         |
|-----------------------------------|---------------------------------------------------------------------------------------------------------|
| Max. voltage                      | 125 V AC / 175 V DC                                                                                     |
| Max. switching current            | 280 mA AC / 400 mA DC                                                                                   |
| Max. switching capacity           | 5 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         | PA 6.6, black, moulded reed contact                                                 |
| Temperature range | - 5 °C ... + 70 °C                                                                  |
| Mechanical life   | 3 x 10 <sup>8</sup> operating cycles                                                |
| Protection type   | IP 67 acc. to EN 60529                                                              |
| Termination type  | Cable 3 x AWG 20 x 4 m $\pm 5 \%$ ; PVC 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)                                                                                                                                                                                                                                      |
| Approvals                                                               |                                                                                                                                                                                                                                                                                           |
|                                                                         | <br>UL Listed, Ind. Cont. Eq. / Class 2 Power source<br><b>Note limited electrical data:</b><br>max. switching voltage 30 V AC / 60V DC<br>max. switching current 0,25 A<br>max. switching capacity 5 VA |
| Notes                                                                   |                                                                                                                                                                                                                                                                                           |
| Contact protection must be provided for inductive and capacitive loads. |                                                                                                                                                                                                                                                                                           |