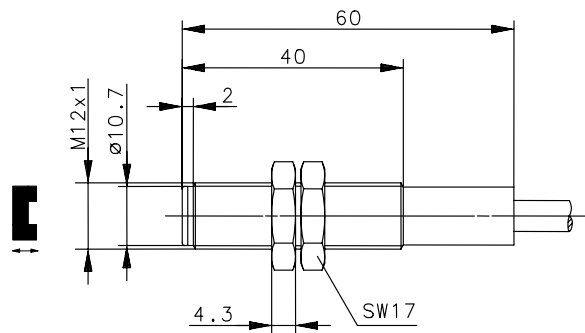
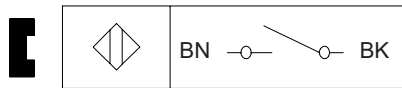


## Magnetic Switch Series MAK-28

Description **MAK-2812-D-3**

Article number **6316228703**

### Wiring diagram



### Technical data

Switching function	N.O.
Reference magnet	T-62 N/S (6301262074)
Assured operating distance - ON	$S_{ao}$ 29 mm
Repeat accuracy	R $\pm 0,1$ mm, under same geometrical conditions at the same temperature
max. Release point	40 mm
Shock	3-axis (X, Y, Z): 45g (11 ms / half-sine)
Vibration	3-axis (X, Y, Z): 1.5g to 45g (10 Hz to 55 Hz)

### Electrical data

Max. voltage	30 V AC / 60 V DC
Max. switching current	0,25 A
Max. switching capacity	5 VA
Protection class acc. to EN IEC 61558	III (safety extra-low voltage)
Note	Combinations of switching voltage and switching current must not exceed the maximum switching capacity.

### Mechanical data

Enclosure	PA 6, red; encapsulated reed contact
Temperature range	-25 °C ... +70 °C (cable fixed)
Mechanical life	$3 \times 10^8$ operating cycles
Protection type	IP67 acc. EN 60529 (NEMA 4)
Termination type	Cable 2 x AWG 20 x 3 m $\pm 5$ %; PVC -outer jacket black
Assembly position	optional (assembly on ferromagnetic material means reduction of switch distance)

BERNSTEIN AG · Hans-Bernstein-Straße 1 · 32457 Porta Westfalica · www.bernstein.eu

#### Technical modifications and errors excepted.

The technical datasheet corresponds to the technical state as of 2024-10-08 and will not be removed in case of changes.

ID for safety engineering	
B10d	0,31 x 10 <sup>6</sup> (20 % load) 0,21 x 10 <sup>6</sup> (nominal load)
Standards	
	EN 60947-5-1
	EN 62246-1
EU Conformity	
	acc. to directive 2011/65/EU (RoHS-directive)
Approvals	
	UL Listed, Ind. Cont. Eq. / Class 2 Power source
Notes	
Contact protection must be provided for inductive and capacitive loads.	