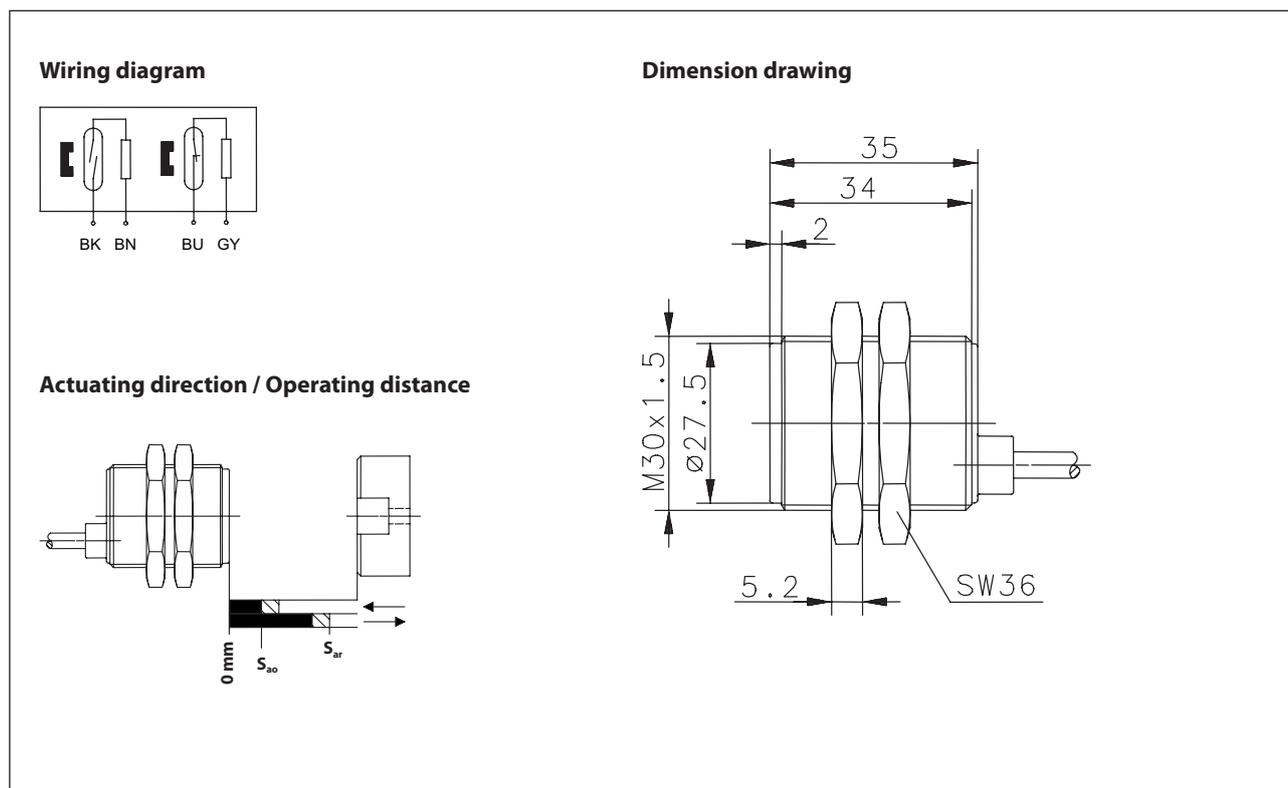


Coded Magnetic Switch Series MAK-53

Description **MAK-5336-9**

Article number **6490653312**



Technical data

Switching function	N.O., N.C. combined	
Reference magnet	TK-43-CD (6402043023)	
Assured operating distance - ON	S_{ao}	≥ 3 mm
Assured operating distance - OFF	S_{ar}	≤ 14 mm
Repeat accuracy	R	$\pm 0,1$ mm, under same geometrical conditions at the same temperature
Utilization category	DC-12	
Frequency of operating cycles	f	1 Hz

Electrical data

Max. voltage	30 V DC
Max. switching current	0,08 A
Max. switching capacity	0,25 W
Internal series resistors	27 Ω , per channel
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
Temperature range	- 5 °C ... + 70 °C (cable not fixed mounted) - 25 °C ... + 70 °C (cable fixed mounted)
Mechanical life	3 x 10 ⁸ operating cycles
Vibration	30 G (50 - 2000 Hz)
Shock	50 G (11 ms, ½ Sinewave)
Protection type	IP 67 acc. to EN 60529
Pollution degree	3 acc. to EN 60947-1
Termination type	Cable 4 x 0,25 mm ² x 9 m ± 5 % ; PVC - Outer jacket, black
Assembly position	optional (assembly on ferromagnetic material means reduction of switch distance)

ID for safety engineering	
Mission time	20 years

Standards	
Note	EN 60947-5-3 The EN 60947-5-3 standard is fulfilled by the complete system of coded BERNSTEIN magnetic switches with associated actuator and suitable evaluation device.

EU Conformity	
acc. to directive 2006/42/EC (Safety-of-Machinery-Directive)	

Notes	
Contact protection must be provided for inductive and capacitive loads.	