

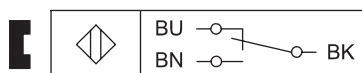
Magnetic Switch

Series MA-12

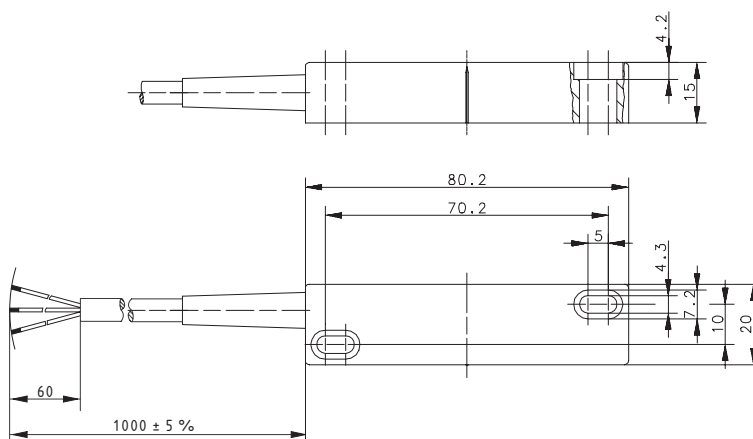
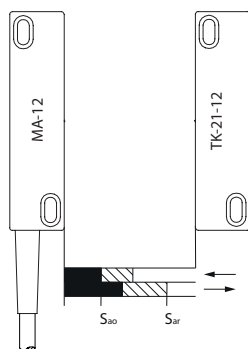
Description **MAK-1213-L-1**

Article number **6316312220**

Wiring diagram



Actuating direction / Operating distance



Technical data

Switching function	Switch-Over
Reference magnet	TK-21-12 (6302121030)
Assured operating distance - ON	$S_{ao} \leq 24 \text{ mm}$
Assured operating distance - OFF	$S_{ar} \geq 45 \text{ mm}$
Repeat accuracy	$R \pm 0,1 \text{ mm}$, under same geometrical conditions at the same temperature

Electrical data

Max. voltage	250 V AC / DC
Max. switching current	1,0 A
Max. switching capacity	60 VA
Protection class acc. to EN IEC 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, red; encapsulated reed contact
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
Shock Vibration	50G (11 ms / ½ Sinuswelle)
Vibration	35G (10 - 1000 Hz)
Protection type	IP 67 acc. to EN 60529
Termination type	Cable 3 x 0,5 mm ² ; PVC outer jacket black
Assembly position	optional (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.	