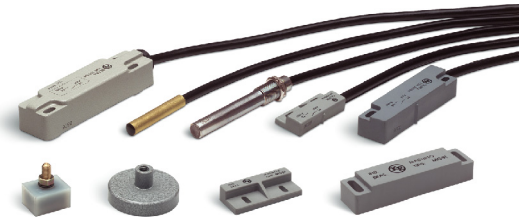
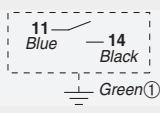
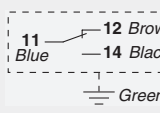
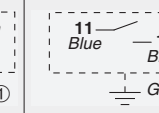
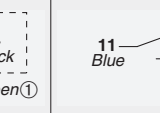


- Proximity sensor actuated by permanent magnet
- Encapsulated contact in hermetically sealed enclosure
- Degree of Protection IP67 (IEC 60529)
- Long mechanical life of 1 billion of cycles
- Available in several formats and materials








Specifications






Sensor	GL1RA GL4RA GL9RA	GL1RC GL4RC GL9RC	GL1RJ GL4RJ GL9RJ	GL3RK GL8RK
Circuitry				
Max. Contact Rating [VA]	80	60	80	60
Max. Switching Current [A]	1.3	1	2.5	3
Max. Service Voltage [V]	250	230	250	230
Contact Resistance (maximum initial) [mΩ]	80	100	80	80
Max. Operating Frequency [Hz]	100	100	200	200
Electrical Life (with maximum power)	10 ⁵ cycles			
Ambient Temperature	+80°C maximum			
Cable length	standard = 1m		(others lengths available)	

① Circuit with ground only for GL1... models

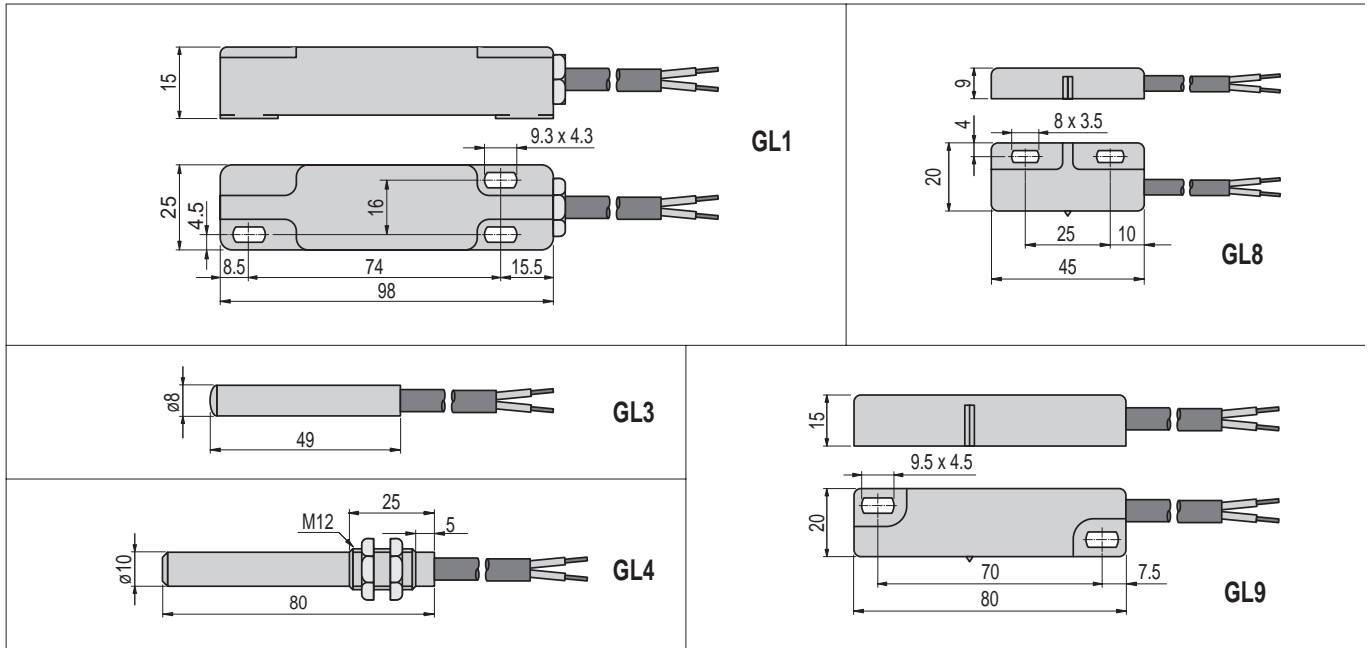
Subject to change without prior notice

Ordering Information

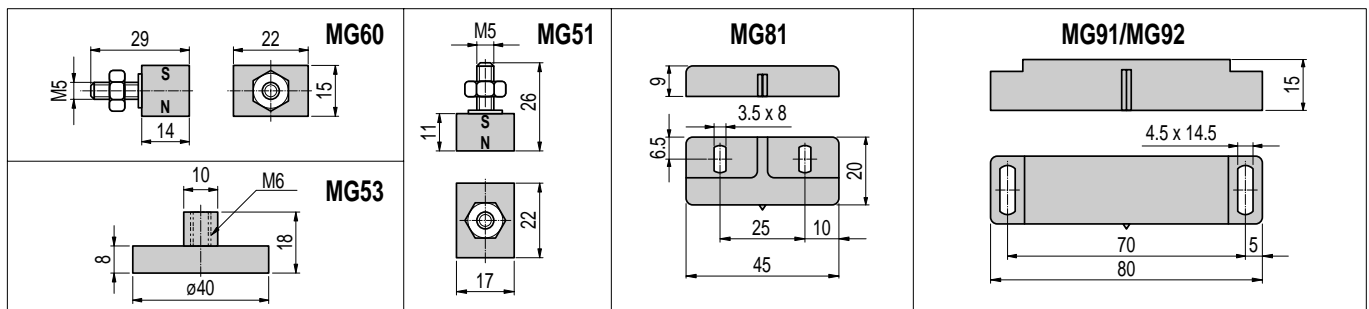
SENSOR		
Enclosure Type	Contact	Code
	1.0A	GL1RC
	1.3A	GL1RA
	2.5A	GL1RJ
	3.0A	GL3RK
	1.0A	GL4RC
	1.3A	GL4RA
	2.5A	GL4RJ
	3.0A	GL8RK
	1.0A	GL9RC
	1.3A	GL9RA
	2.5A	GL9RJ

MAGNET	
Type	Code
	MG51
	MG53
	MG60
	MG81
	MG91 / MG92

Sensor Dimensions



Magnets Dimensions



Actuating Distances (mm)

Is the maximum distance between the magnet and the switch so that occur the contact actuating. The table below show distances for the several combinations between switch and magneto. Where there are no value, is not recommended the the combination interruptor/magneto. Example: the distance between the magnet **MG51** and the sensor **GL1RA** is 5mm maximum. For a larger distance, use the magnet **MG91** (10mm maximum) or **MG92** (15mm maximum).

distances in mm		S E N S O R S										
		GL1RA	GL1RC	GL1RJ	GL3RK	GL4RA	GL4RC	GL4RJ	GL8RK	GL9RA	GL9RC	GL9RJ
M A G N E T S	MG51	5	4	5								
	MG53					12	12	13				
	MG60	5	4	5	12	6	4	6		8	6	8
	MG81								6			
	MG91	10	7.5	10						10	8	10
	MG92	15	13	15						15	13	15

Subject to change without prior notice

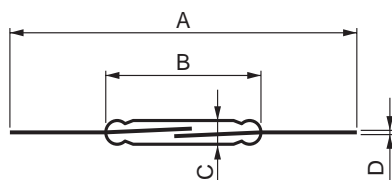
Reed Switches

- Reed Switch actuated by permanent magnet
- Encapsulated contact in hermetically sealed enclosure
- Degree of Protection IP67 (IEC 60529)
- Long mechanical life of 1 billion of cycles
- Available in several formats









Models

- GRA Standard size; NO contact
- GRC Standard size; change over contact
- GRD Miniature size; NO contact
- GRE Subminiature size; NO contact
- GRJ Standard size; NO contact; high power
- GRK Compact size; NO contact; high power



Specifications

Ordering Code	GRA	GRC	GRD	GRE	GRJ	GRK
Dimensions: A = Total length	80	80	54	54	80	55
[mm] B = Glass length	50	50	18	13.5	50	23
D = Glass diameter	5	5	2.5	2	5	3.5
S = Wire diameter	0.5x2.5	0.5x2.5	∅0.5	∅0.5	0.5x2.5	∅0.8
Circuitry	 1NO	 1NO+1NC	 1NO	 1NO	 1NO	 1NO
Max. Contact Rating [VA]	80	60	10	10	80	60
Max. Switching Current [A]	1.3	1	1	0.5	2.5	3
Max. Service Voltage [V]	250	230	230	150	250	230
Contact Resistance (max. initial) [mΩ]	80	100	100	150	80	80
Max. Operating Frequency [Hz]	100	100	200	200	200	200
Pull-in Sensitivity [AT]	75...130	80...120	20...50	10...35	75...95	30...70
Drop-out Sensitivity [AT]	25	20	5	5	35	15
Electrical Life (with max. power)	10 ⁵ cycles					
Ambient Temperature	-40°C...+150°C					

Subject to change without prior notice