Senseca Germany GmbH
Tenter Weg 2-8 | 42897 Remscheid | GERMANY
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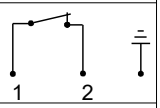
Flow Switch G-...GR

- **Adjusted switching value**
- **Small switching point**

Characteristics

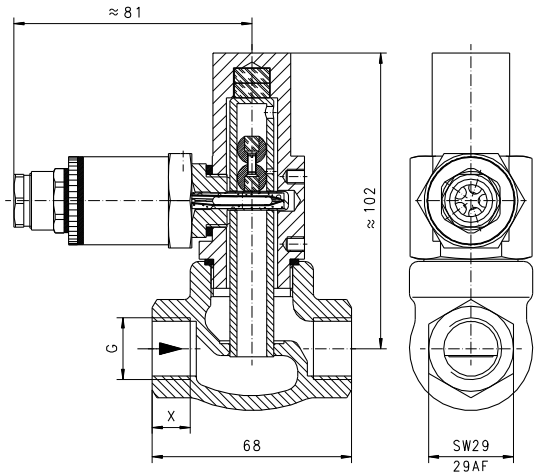
Balls fitted with magnets rise in proportion to the flow against the magnetic force of an opposite-poled magnet and actuate a reed contact.

Technical data

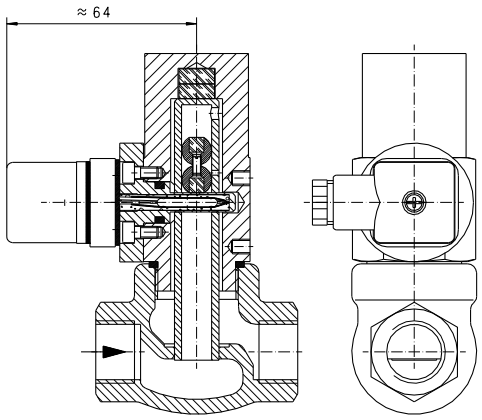
Switch	reed switch
Nominal width	DN 8..15
Process connection	female thread G 1/4..G 1/2
Adjustment range	0.15..0.4 l/min horizontal inwards flow with decreasing flow rate
$Q_{max.}$ recommended	G 1/4 - 4 l/min G 3/8 - 8 l/min G 1/2 - 12 l/min
Tolerance	±10 % of full scale value
Pressure resistance	PN 16 bar
Medium temperature	-20..+80 °C
Ambient temperature	-20..+70 °C
Media	water (oils up to 20 mm²/s, and gases on request)
Wiring	normally closed (n.c.) no. 0.214 
Switching voltage	max. 250 V AC
Switching current	max. 1 A
Switching capacity	max. 50 VA
Protection class	1 - PE connection
Ingress protection	IP 65
Electrical connection	Standard: cable screw gland Pg 11, optionally DIN 43650-A / ISO 4400 plug
Materials medium-contact	Rg 5 nickelled, CW614N nickelled, POM, Klingersil C-4400, hard ferrite
Non-medium-contact materials	CW614N, NBR
Weight	0.6 kg
Installation location	Standard: horizontal inwards flow; switching head upwards

Dimensions and weights

G	Types	X
G 1/4	G-008..	12
G 3/8	G-010..	
G 1/2	G-015..	13



optionally DIN 43650-A / ISO 4400 plug



Handling and operation

- Include straight calming section of 5 x DN in inlet and outlet.
- If the media are dirty, install a filter (use magnetic filter for ferritic components).
- It must be ensured that the values given for voltage, current, and power are not exceeded.
- When switched on, a load must be connected in series. The electrical details apply to ohmic loads. Capacitive, inductive and lamp loads must be operated using a protective circuit.

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Ordering code

Standard device

	1.	2.	3.
G -		G	R

1.	Nominal width	
	008	DN 8 - G 1/4
	010	DN 10 - G 3/8
	015	DN 15 - G 1/2
2.	**Process connection**	
	G	female thread
3.	**Connection material**	
	R	red bronze

Options

- Transformer
- Adjustment for oil or gas
- Special values

Ordering information

- Specify direction of flow, medium, and switching point.
- For oils, state viscosity, temperature and designation (e.g. ISO VG 68) (enquire about range).
- For gases, state pressure (relative or absolute), temperature and medium (e.g. air) (enquire about range).