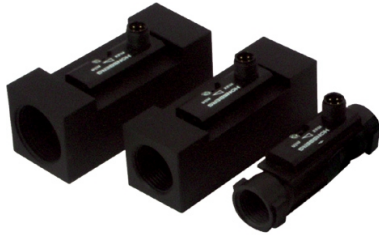


PLOVÁKOVÝ HLÍDAČ PRŮTOKU FW1-...GP

Flow Switch FW1-...GP

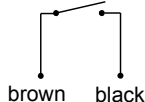


- Economical design
- High switching power
- Insensitive to dirt

Characteristics

Mechanical flow switch, for fluid media, with spring-supported piston and magnetic triggering of a reed switch. Robust construction in POM material.

Technical data

Switch	reed switch	
Nominal width	DN 15	
Process connection	female thread G 1/2 (note: for plastic parts it is not possible to guarantee trueness of calibration; further process connections available on request)	
Switching range	Up to 6 l/min	for details see table "Ranges"
Pressure loss	0.8 bar at Q _{max.}	
Q_{max.}	to 20 l/min	
Tolerance	±10 % of full scale value	
Pressure resistance	PN 10 bar	
Media temperature	-20..+90 °C	
Ambient temperature	-20..+70 °C	
Media	water (oil available on request)	
Wiring	normally open (n.o.) No. 0.446 	
Switching voltage	Max. 250 V DC / 265 V AC	
Switching current	max. 1.5 A DC / 1.1 A AC	
Switching capacity	Max. 50 W / 50 VA	
Protection class	2 - safety insulation	
Ingress protection	IP 67	
Electrical connection	round plug connector M12x1, 4-pole with cable 1.0 m, 2 x AWG20 UL/SCA sw AWM style 2464	
Materials medium-contact	POM GV, POM, 1.4310, hard ferrite	
Non-medium-contact materials	PC, 1.4301, 1.4305	
Weight	see table "Dimensions and weights"	
Installation location	Standard: horizontal inwards flow; other installation positions are possible; the installation position affects the switching point and range.	

Ranges

Details in the table correspond to horizontal inwards flow with decreasing flow rate.

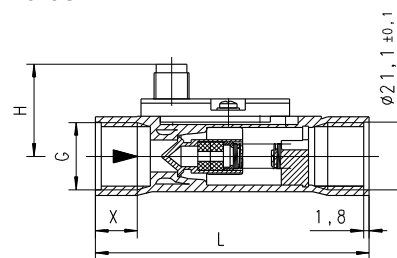
G	DN	Switching range l/min H ₂ O	Q _{max.} re- com- men- ded	Pressure loss bar at Q _{max.} H ₂ O
G 1/2	DN 15	1 - 6	20	0.8

Special ranges are available.

Dimensions and weights

G	Types	L	H	B	SW	X	Weight kg
G 1/2	FW1-015GP	85	30	-	27	12	0.05

FW1-015GP



PLOVÁKOVÝ HLÍDAČ PRŮTOKU FW1-...GP



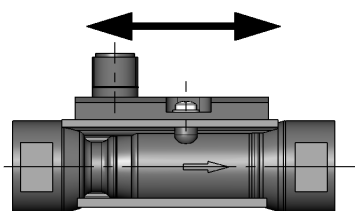
Handling and Operation

Note

- Include straight calming section of 5 x DN in inlet and outlet
- Include a filter if the media are dirty (use magnetic filter for ferritic components).
- It must be ensured that the values given for voltage, current, and power are not exceeded.
- When switch 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.

Adjustment

Loosen screw slightly, push the switching head into the desired position, and then retighten the screw.



Ordering code

FW1 - 1. 2. 3. 4.

1. Nominal width	015	DN 15 - G 1/2		
2. Process connection	G	female thread		
3. Connection material	P	POM		
4. Switching range H₂O for horizontal inwards flow	006	1 - 6 l/min		●
	011	1 - 11 l/min	●	●

Options

- Switching value for oil
- Special values
- Cable outlet 3 m

Ordering information

- Specify direction of flow, medium, and switching range.
- For oils. State viscosity, temperature and designation (e.g. ISO VG 68) (enquire about switching range).