

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	female thread G ¹ / ₂			
connection	(note: for plastic parts it is not possible to			
	guarantee trueness of calibration; further process connections available on request)			
Switching range	Lin to 6 l/min			
Brossuro loss	for details see			
	to 20 1/min	table "Ranges"		
Prossuro	ETO % OF full scale value			
resistance				
Media	-20+90 °C			
temperature				
Ambient	-20+70 °C			
temperature				
Media	water (oil available on request)			
Wiring	normally open (n.o.)			
	No. 0.446			
	Drown Dia	ack		
Switching voltage	Max. 250 V DC / 265 V A	NC		
Switching current	max. 1.5 A DC / 1.1 A A0)		
Switching	Max. 50 W / 50 VA			
capacity	0			
Protection class	2 - safety insulation			
Ingress protection	IP 67			
Electrical	round plug connector M12x1, 4-pole			
connection	AWM style 2464			
Materials	POM GV POM 1 4310 hard ferrite			
medium-contact				
Non-medium-	PC, 1.4301, 1.4305			
contact materials				
Weight	see table "Dimensions and weights"			
Installation	Standard: horizontal inwards flow; other			
location	installation positions are possible; the			
	nstallation position affe	ects the switching		
L	point and range.			

Ranges

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

G	DN	Switching range I/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
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Special ranges are available.

Dimensions and weights

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

FW1-015GP



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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

FW	1. /1 -	2. 3. 4. G P					
1.	Nominal width						
	015	DN 15 - G ¹ / ₂					
2.	Process connection						
	G	female thread]				
3.	Connection material						
	Р	POM]				
4.	Switching range H ₂ O 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).