

Flow Switch

Paddle Type with SPDT Microswitch, BSPP

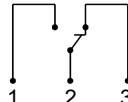
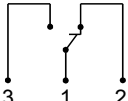


- Threaded connection
- Micro switch
- Low pressure loss
- Compact design
- Threaded connection
- Plug DIN 43650-A / ISO 4400

Characteristics

The devices function via the principle of a spring-supported paddle, and the magnetic triggering of a micro switch.

Technical data

Switch/sensor	micro switch
Nominal width	DN 10..50
Process connection	female thread G ³ / ₈ ..G 1 (further process connections available on request)
Switching range	4..93 l/min
Q_{max.}	to 150 l/min
Tolerance	±15 % of full scale value
Pressure resistance	PN 25
Medium temperature	-20..+110 °C
Ambient temperature	-20..+70 °C
Media	water (oils, gases and aggressive media available on request)
Wiring	changeover no. 0.371  optionally changeover no. 0.282  optionally red or red / green diode in the DIN 43650-A plug
Switching voltage	max. 250 V AC
Switching current	max. 5 A (round plug connector max. 4 A)
Protection class	2 - safety insulation
Ingress protection	IP 65

Electrical connection	plug DIN 43650-A / ISO 4400, optionally for round plug connector M12x1, 4-pole	
Materials medium-contact	<i>Brass construction:</i> CW617N nickelled, CW614N nickelled, 1.4310, 1.4301, hard ferrite, NBR	<i>Stainless steel construction:</i> 1.4305, 1.4571, 1.4301, 1.4310, hard ferrite PTFE-coated, FKM
Non-medium contact materials	ABS, PA, NBR	
Weight	see table "Dimensions and weights"	
Installation location	Standard: horizontal inwards flow; switching head not recommended underneath; 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	Types	Q _{max.} recommended
G ³ / ₈	DN 10	4.0 - 5.5	UM3K-010G.055	10
G ¹ / ₂	DN 15	5.5 - 7.0	UM3K-015G.070	20
G ³ / ₄	DN 20	7.5 - 10.0	UM3K-020G.100	40
G 1	DN 25	14.0 - 18.0	UM3K-025G.180	60
G ¹ / ₄	DN 32	22.0 - 30.0	UM3K-032G.300	80
G ¹ / ₂	DN 40	37.0 - 50.0	UM3K-040G.500	100
G 2	DN 50	67.0 - 93.0	UM3K-050G.930	150

Special ranges are available.

Dimensions and weights

G	Types	H	L	X	Weight kg
G ³ / ₈	UM3K-010GM	87	50	10	0.45
	UM3K-010GK				0.50
G ¹ / ₂	UM3K-015GM	88	50	10	0.40
	UM3K-015GK				0.45
G ³ / ₄	UM3K-020GM	92	96	12	0.50
	UM3K-020GK				
G 1	UM3K-025GM	96	99	12	0.60
	UM3K-025GK				
G ¹ / ₄	UM3K-032GM	108	108	12	0.75
	UM3K-032GK				
G ¹ / ₂	UM3K-040GM	108	108	12	0.85
	UM3K-040GK				
G 2	UM3K-050GM	108	108	12	1.05
	UM3K-050GK				

