

# Datasheet

## RS Gas, Liquid Nickel Plated Brass 250 V ac Sensor/Switch without Indicator, 25bar Pressure, 7.5 → 10 L/min

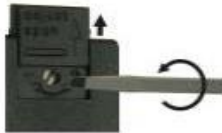
RS Stock number 613-4222

**paddle**

**GENERAL CHARACTERISTICS**

Instruments operate by a spring-supported paddle with magnetic triggering of a micro switch.

- \* good repeatability
- \* low pressure loss
- \* dirt resistant
- \* hermetic separation of electrical and hydraulic components
- \* high switch capability



**Flow Switch**

3.1.

Female thread G3/8 to G2 brass/stainless steel



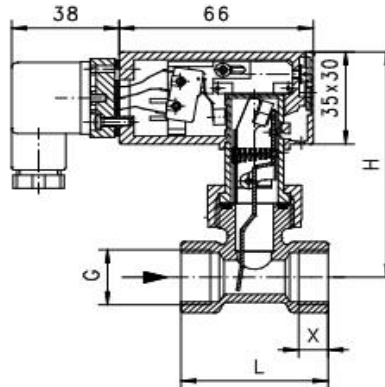
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**TECHNICAL DATA**

	G	Type	PN bar	Qmax. recom. l/min H <sub>2</sub> O	adjustable range l/min H <sub>2</sub> O	H mm	L mm	X mm	weight kg
brass	G 3/8	6134216	25	10	4 - 5.5	87	50	10	0.35
	G 1/2	6134238	25	20	5.5 - 7	87	50	10	0.35
	G 3/4	6134222	25	40	7.5 - 10	88	50	12	0.35
	G 1	6134244	25	60	14 - 18	92	50	12	0.40
	G 1 1/4		25	80	22 - 30	96	50	12	0.55
	G 1 1/2		25	100	37 - 50	99	50	12	0.60
	G 2		25	150	67 - 93	108	50	12	1.00
stainless steel	G 1/2		25	10	4 - 5.5	87	50	10	0.40
	G 3/4		25	20	5.5 - 7	87	50	10	0.41
	G 1		25	40	7.5 - 10	88	50	12	0.35
	G 1 1/4		25	60	14 - 18	92	50	12	0.45
	G 1 1/2		25	80	22 - 30	96	50	12	0.55
	G 1 1/2		25	100	37 - 50	99	50	12	0.70
	G 2		25	150	67 - 93	108	50	12	1.00

Adjustable range is indicated for horizontally decreasing flow.

tolerance ±15% of full scale  
 media temperature max. 110°C  
 average pressure loss 0.01bar at Qmax.  
 hysteresis depending on switch value  
 minimum 0.7 l/min.



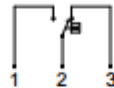
**MATERIALS**

	U
housing	brass Ms58
body	nickel plated brass Ms58
paddle	nickel plated stainless steel 1.4301 ; 1.4571
spring	stainless steel 1.4310
magnet	oxyd 300
seal	NBR

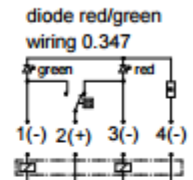
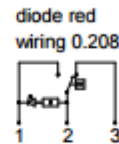
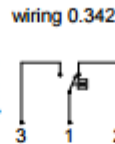
## Flow Switch

### ELECTRICAL DATA

micro switch - wiring 0.371 change over  
 250 V AC 5 A  
 plug DIN 43650-A  
 protection class IP 65



**BASIC**  
 Programme options



### MOUNTING POSITION



Installation position may influence switch value.

### METERING SUBSTANCES



water



gas/air



oil

### N

				basic type
				specification
-	10			● nominal diameter DN 10 - G3/8
	15			● DN 15 - G1/2
	20			● DN 20 - G3/4
	25			● DN 25 - G1
	32			● DN 32 - G1 1/4
	40			● DN 40 - G1 1/2
	50			● DN 50 - G2
		G		● female thread
		M		● brass design
		K		● stainless steel design
			055	● 4 - 5.5 l/min
			070	● 5.5 - 7 l/min
			100	● 7.5 - 10 l/min
			018	● 14 - 18 l/min
			300	● 22 - 30 l/min
			500	● 37 - 50 l/min
			930	● 67 - 93 l/min
Programme option				○ wiring 0.208 - diode red integrated in plug DIN 43650-A
BASIC				○ wiring 0.347 - diode red/green integrated in plug DIN 43650-A
				○ wiring 0.342
Special option				□ gold-plated micro switch 125 V AC / 30 V DC / 100mA
VARIO				□ setting / adjustable ranges for oil or gas
				□ contact for locking plug M12x1, 4-pole
				□ minimal flow range

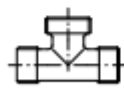
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### connection types



**female thread**  
 brass  
 stainless steel



**male thread**  
 brass  
 POM



**welding, soldering  
 glue socket**  
 brass stainless steel PVC



**solder fitting**  
 copper



**glue fitting**  
 PVC