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Flow monitor with flow indicator
Series FM18

Design type	Flow monitor with reed switch contact, All-metal version, Flow indicator, Float measuring principle, pressure-independent, Water scale
Connection	G1/4"...G1"
Materials	Body brass nickel-plated, Internal parts brass or rather Nickel-plated brass, Hard ferrite magnet, Seals NBR Display not in contact with the medium Makrolon/Stainless steel 1.4301
Application range	Water without solid or magnetic particles, other fluids on request
Medium temperature	-20...+100°C
Ambient temperature	-20...+100°C
Switching contact	Normally closed (NC) (Changeover contact as special version)
Switching point adjustment	Switching point adjustment by shifting the switching contact
Accuracy	±5% from the full-scale value
max. operating pressure	200bar
Pressure drop	0,02...0,2bar
max. voltage	250V (Changeover contact 250V)
max. current	3A (Changeover contact 1,5A)
max. power	100VA (Changeover contact 3VA...50VA)
Degree of protection	IP65 according to EN 60529 with correctly installed cable entry (protection against dust ingress and splashing water)
Mounting	Installation in rigid piping system
Mounting position	vertical
Scope of delivery	including device socket
Special version	Seals FKM or EPDM, Electrical contact for media temperatures up to 160°C, Changeover contact, Switch in ATEX version, IP67 with 1 m molded-on cable or rather Reed switch with M12 connection
Application note	Provide a straight pipe length of 10xDN upstream of the device and 5xDN downstream of the device.. Never reduce the pipe diameter upstream of the unit. The reed switches used in the switching contacts are, by design, very sensitive to overload. None of the values for voltage, current and power may be exceeded. Appropriate contact protection measures must be implemented depending on the electrical load.

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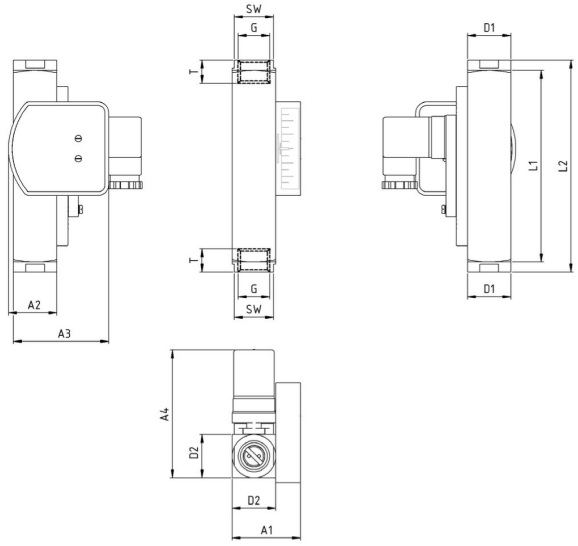
Dimensions



Connection	Nominal size DN	Switching range [l/min]*	A1	A2	A3	A4	D1	D2	L1	L2	T	SW	Weight approx. [g]	Type
G1/4"	8	0,1...1,5	47	33,5	65,5	88	30	30	117	131	10	27	850	FM18-14-N-1,5
G1/4"	8	0,2...3	47	33,5	65,5	88	30	30	117	131	10	27	850	FM18-14-N-3
G1/4"	8	0,3...8	47	33,5	65,5	88	30	30	117	131	10	27	850	FM18-14-N-8
G1/4"	8	1...12	47	33,5	65,5	88	30	30	117	131	10	27	850	FM18-14-N-12
G3/8"	10	0,1...1,5	47	33,5	65,5	88	30	30	117	131	15	27	850	FM18-38-N-1,5
G3/8"	10	0,2...3	47	33,5	65,5	88	30	30	117	131	15	27	850	FM18-38-N-3
G3/8"	10	0,3...8	47	33,5	65,5	88	30	30	117	131	15	27	850	FM18-38-N-8
G3/8"	10	1...12	47	33,5	65,5	88	30	30	117	131	15	27	850	FM18-38-N-12
G1/2"	15	0,1...1,5	47	33,5	65,5	88	30	30	117	131	14	27	850	FM18-12-N-1,5
G1/2"	15	0,2...3	47	33,5	65,5	88	30	30	117	131	14	27	850	FM18-12-N-3
G1/2"	15	0,3...8	47	33,5	65,5	88	30	30	117	131	14	27	850	FM18-12-N-8
G1/2"	15	1...12	47	33,5	65,5	88	30	30	117	131	14	27	850	FM18-12-N-12
G1/2"	15	2...18	47	33,5	65,5	88	30	30	132	146	14	27	850	FM18-12-N-18
G3/4"	20	2...18	47	33,5	65,5	88	35	30	132	174	15	32	1010	FM18-34-N-12
G3/4"	20	3...35	57	-	70,5	98	40	40	130	152	15	34	1500	FM18-34-N-35
G3/4"	20	4...50	57	-	70,5	98	40	40	130	152	15	34	1500	FM18-34-N-50
G1"	25	3...35	57	-	70,5	98	40	40	156	156	17	40	1500	FM18-10-N-35
G1"	25	4...50	57	-	70,5	98	40	40	156	156	17	40	1500	FM18-10-N-50

* The specified switching values apply for decreasing flow, for water with a density of 1 kg/dm3 and for flow from bottom to top.
Special scales for different media and operating conditions are available on request.

Electrical connection

Normally closed (NC)	Changeover contact

Illustrations non-binding
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