

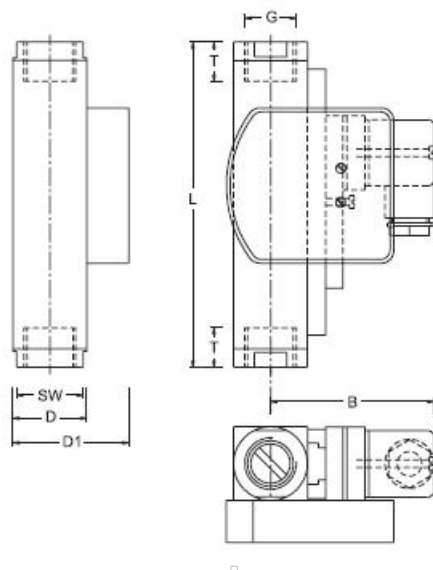
Flow monitor Series FM43



Design type	Flow monitor with flow indicator; Reed switch contact; Float measuring principle, pressure-independent
Connection	G1/4"....G1 1/2"
Materials	Housing, Spring and all other media-wetted parts stainless steel 1.4571, Seals FKM
Application range	Water, other fluids on request
Medium temperature	-20...+100°C
Ambient temperature	-20...+100°C
max. operating pressure	300bar
Pressure drop	0,02...0,8bar
Switching contact	Normally closed (NC) (Changeover contact as special version)
Switching point adjustment	Switching point adjustment by shifting the switching contact
Accuracy of the reference scale	±5% from the full-scale value
max. voltage	250V
max. current	3A
Power	minimum 3VA to 100VA
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	any
Scope of delivery	including device socket
Special version	Seals NBR or EPDM, Electrical contact for media temperatures up to 160°C, Changeover contact, Changeover contact for PLC, Switch in ATEX version, IP67 with 1 m molded-on cable, Reed switch with M12 connection, Scale for other fluids
Application note	<p>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 device.</p> <p>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.</p> <p>Appropriate contact protection measures must be implemented depending on the electrical load.</p>



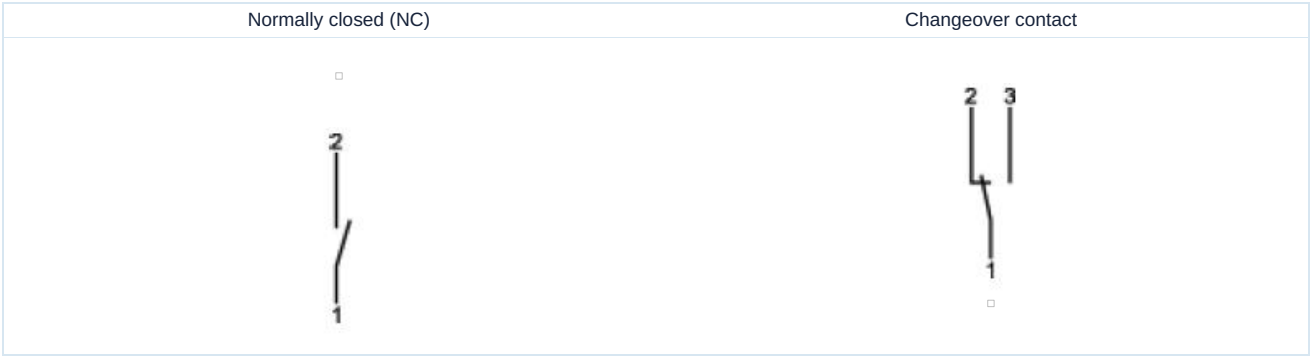
Dimensions



Connection G	Adjustment range [l/min]	Nominal size DN	B	D	L	T	SW	Weight [g]	Type
G 1/4"	0,2...4	8	7	30	131	14	27	850	FM43-14-W-4
	0,6...5								FM43-14-W-5
	0,5...8								FM43-14-W-8
	1...14								FM43-14-W-14
	1...28								FM43-14-W-28
G 3/8"	0,2...4	10	71	30	131	14	27	850	FM43-38-W-4
	0,6...5								FM43-38-W-5
	0,5...8								FM43-38-W-8
	1...14								FM43-38-W-14
	1...28								FM43-38-W-28
G 1/2"	0,2...4	15	71	30	131	14	27	850	FM43-12-W-4
	0,6...5								FM43-12-W-5
	0,5...8								FM43-12-W-8
	1...14								FM43-12-W-14
	1...28								FM43-12-W-28
G 1/2"	2...40	15	71	30	146	14	27	900	FM43-12-W-40
	4...55								FM43-12-W-55
G 3/4"	2...40	20	71	35	174	16	32	900	FM43-34-W-40
	4...55								FM43-34-W-55
G 3/4"	1...70	20	76	40	152	18	34	1400	FM43-34-W-70
	8...90								FM43-34-W-90
	5...110								FM43-34-W-110
G 1"	1...70	25	76	40	156	19	40	1100	FM43-10-W-70
	8...90								FM43-10-W-90
	5...110								FM43-10-W-110
G 1 1/4"	10...150	32	76	50	200	21	50	2750	FM43-114-W-150
	35...220		81					3000	FM43-114-W-220
G 1 1/2"	35...250	40	82	60	200	24	60	3800	FM43-112-W-250



Electrical connection



Illustrations non-binding
Design, dimensional and material changes reserved

Armatures / Pressure switches, measuring instruments and flow monitors / Other materiales - A06 / Other materiales - A06 / [FM43-14-W-5-01] FM43-14-W-5-01