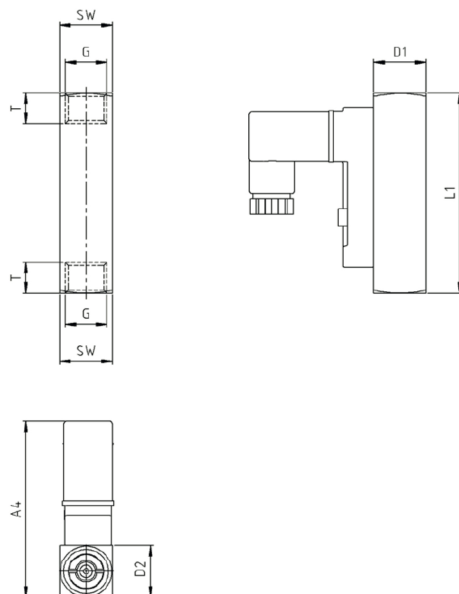


flow monitors series FM02-N



design	flow monitors with reed switch, solid metall version, float measure principle, air scale
connection	G1/4" ... G1"
materials	body nickel plated brass, inner parts brass, spring stainless steel AISI 316Ti, magnet hard ferrite, seals NBR
application	air without solid or magnetic particles, other gases on request
medium temperature	-20...+120°C
ambient temperature	-20...+120°C
switch unit	NO contact (change-over contact as special version)
pressure setting	adjustment of the switch point is made by sliding the switch contact
accuracy	+/- 10% from full scale
max. operating pressure	250 respectively 300bar see table
pressure drop	see table
max. voltage	see table
max. current	see table
power	see table
protection class	IP65 according to EN 60529 by correctly mounted cable inlet (protection against dust and splash water)
bracket	installed into rigid pipework
mounting position	any
scope of supply	including connector
special version	seals FKM or EPDM, electric contact for media temperatures up to 160°C, more contacts, change-over contact, switches in ATEX, switches with UL-certificate, IP67 with molded cable 1m respectively reed switch with M12 connection
direction for use	a moderating section has to be installed - 10xDN before and 5xDN after the unit. it is not allowed to reduce the tube diameter before the unit. the used reed switches are very sensitive in case of overload. it is not allowed to pass over the limits of voltage, current or power. appropriate contact protection measures are to be implemented depending on the electrical load.

dimensions - reed switch 15x50, connector acc. to EN175301-803-form C



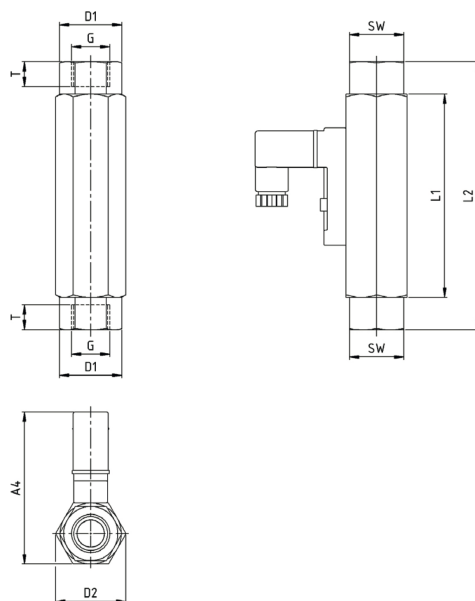
connection G	nominal diameter DN[mm]	A4	D1	D2	L1	T	SW	weight [app. g]
G1/4"	8	57	17	17	65	10	17	140

connection	switching range [NI/min]*	pressure drop [bar]	max. operating pressure [bar]	max. voltage [V]**	max. current [A]**	max. power [VA]**	type
G1/4"	0,6...2,2	0,02...0,2	300	AC140 / DC200	AC0,7 / DC1	20	FM02-14-N-2,2
G1/4"	1,7...6	0,02...0,2	300	AC140 / DC200	AC0,7 / DC1	20	FM02-14-N-6
G1/4"	2,5...8	0,02...0,2	300	AC140 / DC200	AC0,7 / DC1	20	FM02-14-N-8
G1/4"	3...12	0,02...0,2	300	AC140 / DC200	AC0,7 / DC1	20	FM02-14-N-12
G1/4"	3...22	0,02...0,2	300	AC140 / DC200	AC0,7 / DC1	20	FM02-14-N-22
G1/4"	7...24	0,02...0,2	300	AC140 / DC200	AC0,7 / DC1	20	FM02-14-N-24
G1/4"	12...34	0,02...0,2	300	AC140 / DC200	AC0,7 / DC1	20	FM02-14-N-34
G1/4"	16...56	0,02...0,2	300	AC140 / DC200	AC0,7 / DC1	20	FM02-14-N-56
G1/4"	20...80	0,02...0,2	300	AC140 / DC200	AC0,7 / DC1	20	FM02-14-N-80

* switching range for air at 1bar absolute and 20°C. the indicated switching values apply with decreasing flow and with flow direction from bottom to top. other inlet pressures and temperatures occurs other adjustment ranges.

** switching capacity change-over contact: AC/DC 150V, 1A, 3...20VA

dimensions - reed switch 15x50, connector acc. to EN175301-803-form C



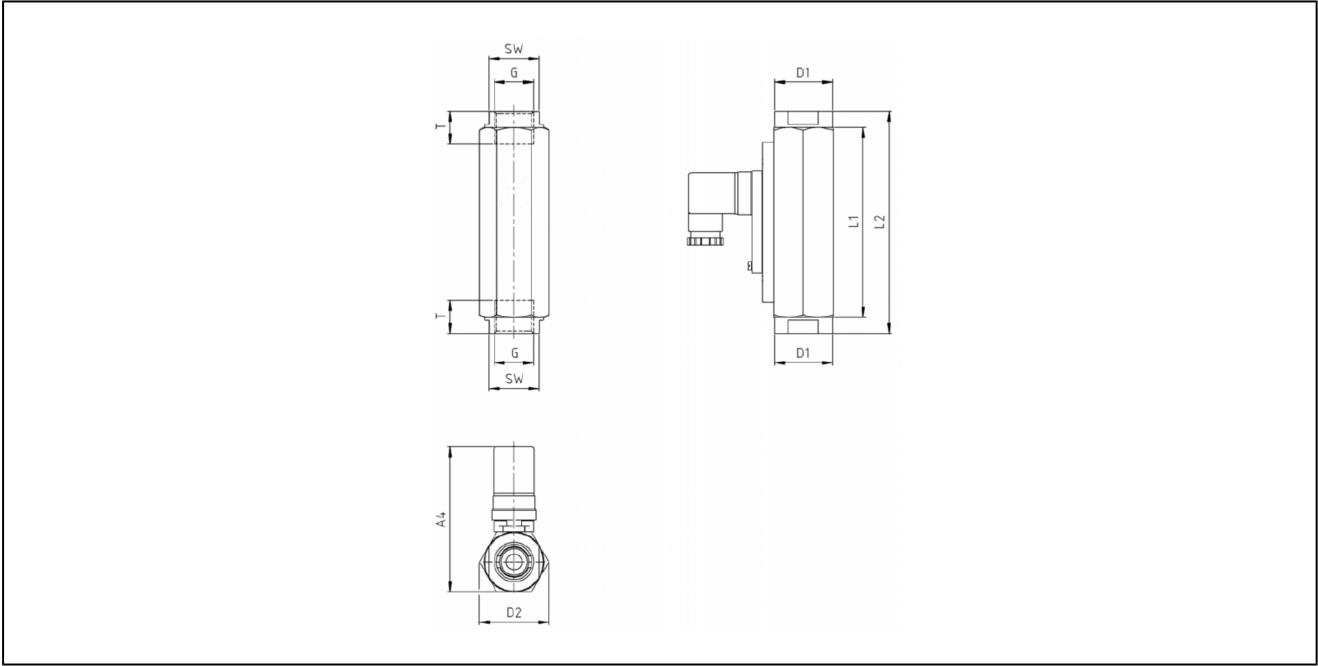
connection G	nominal diameter DN[mm]	A4	D1	D2	L1	L2	T	SW	weight [app. g]
G1/2"	15	67	-	31,2	90	-	14	27	350

connection	switching range [NI/min]*	pressure drop [bar]	max. operating pressure [bar]	max. voltage [V]**	max. current [A]**	max. power [VA]**	type
G1/2"	2,5...10	0,02...0,3	300	230	3	60	FM02-12-N-10
G1/2"	5,5...20	0,02...0,3	300	230	3	60	FM02-12-N-20
G1/2"	8...30	0,02...0,3	300	230	3	60	FM02-12-N-30
G1/2"	10...35	0,02...0,3	300	230	3	60	FM02-12-N-35
G1/2"	45...90	0,02...0,3	300	230	3	60	FM02-12-N-90
G1/2"	55...220	0,02...0,3	300	230	3	60	FM02-12-N-220
G1/2"	65...240	0,02...0,3	300	230	3	60	FM02-12-N-240
G1/2"	80...300	0,02...0,3	300	230	3	60	FM02-12-N-300
G1/2"	140...525	0,02...0,3	300	230	3	60	FM02-12-N-525

* switching range for air at 1bar absolute and 20°C. the indicated switching values apply with decreasing flow and with flow direction from bottom to top. other inlet pressures and temperatures occurs other adjustment ranges.

** switching capacity change-over contact: 250V, 1,5A, 3...50VA

dimensions - reed switch 30x70, connector acc. to EN175301-803-form A



connection G	nominal diameter DN[mm]	A4	D1	D2	L1	L2	T	SW	weight [app. g]
G3/4"	20	99	40	47	130	152	15	34	1240
G1"	25	99	-	47	130	-	17	41	1030

connection	switching range [NI/min]*	pressure drop [bar]	max. operating pressure [bar]	max. voltage [V]**	max. current [A]**	max. power [VA]**	type
G3/4"	60...180	0,02...0,4	250	250	3	100	FM02-34-N-180
G3/4"	100...300	0,02...0,4	250	250	3	100	FM02-34-N-300
G3/4"	200...650	0,02...0,4	250	250	3	100	FM02-34-N-650
G1"	60...180	0,02...0,4	250	250	3	100	FM02-10-N-180
G1"	100...300	0,02...0,4	250	250	3	100	FM02-10-N-300
G1"	200...650	0,02...0,4	250	250	3	100	FM02-10-N-650

* switching range for air at 1bar absolute and 20°C. the indicated switching values apply with decreasing flow and with flow direction from bottom to top. other inlet pressures and temperatures occurs other adjustment ranges.

** switching capacity change-over contact: 250V, 1,5A, 3...50VA

electrical connection

NO contact	change-over contact

illustrations are non-binding

all designs, configurations, measurements and materials are subject to change without prior notice