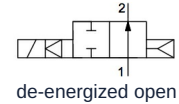
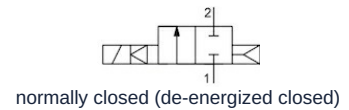


2/2-Way solenoid valve - pilot-operated Series SL102, SL103



Design type	2/2-way solenoid valve with diaphragm seal-off, pilot-operated, normally closed (de-energized closed) or de-energized open
Connection	G3/8"...G2" according to ISO228/1
Materials	Body Brass, Internal parts Stainless steel similar to 1.4104, Seals FKM, EPDM or NBR
Application range	gaseous and liquid media that do not attack the materials used
Viscosity	max. 21mm ² /s (cst)
Medium temperature	depending on the sealing material
Ambient temperature	-20...+50°C, higher ambient temperatures on request
Switching time	depending on operating pressure and medium
Mounting type	Installation in rigid piping system
Mounting position	only with upright electrical part

Electrical data:

Coil type	Type C0A1, Connector width 32mm Type C0A2, Connector width 32mm Type C0C1, Connector width 32mm Type C0D1, Connector width 32mm
Electrical connection	connector according to EN175301-803 Form A (see separate data sheet)
Voltage type	AC and DC voltage
Standard voltage	230V/50Hz, 24V/50Hz, 24VDC
Special voltages	12...240V/50Hz or 60Hz, 6...200VDC
Permissible voltage fluctuation	±10%
Power consumption	see table "Power consumption of the solenoid coils"
Duty cycle	100% duty cycle (continuous operation)
Degree of protection	IP65 according to EN 60529 with correctly mounted device connector (protection against dust ingress and water jets)
Special version	Coil for humid environment
Application note	When ordering, please specify voltage and type of current. We always recommend installing a strainer upstream to prevent malfunctions in the event of contamination of the medium.. These valves can also be used for rough vacuum applications.



Type code

		SL102 - 12 - V - A2 S 03 - 01									
	Function NC - closed when de-energized	SL102									
Type	Function NO - de-energized open	SL103									
Connection	G3/8"	38									
	G1/2"	12									
	G3/4"	34									
	G1"	10									
	G1 1/4"	114									
	G1 1/2"	112									
	G2"	20									
Seal	Standard seal NBR (N) - Leave blank										
	EPDM		E								
	FKM		V								
Coil	without coil - Leave blank										
	C0A1		A1								
	C0A2		A2								
	C0C1		C1								
	C0D1		D1								
Device connector	without device connector - Leave blank										
	Standard		S								
	with integrated yellow LED and VDR		L								
	with moulded PVC cable (2 m)		M								
Voltage	24VDC		03								
	24V/50Hz		18								
	230V/50Hz		21								
Special version	described in the item text									01	

Possible applications of the individual sealing materials

Material	Medium temperature	Application examples
EPDM	-10...130°C	Hot water, Steam, Oxygen
FKM	-10...130°C	Gasoline, Diesel, Air, neutral gases and liquids, Oils, Water
NBR	-10...80°C	Air, Water, neutral gases and liquids

Solenoid coils

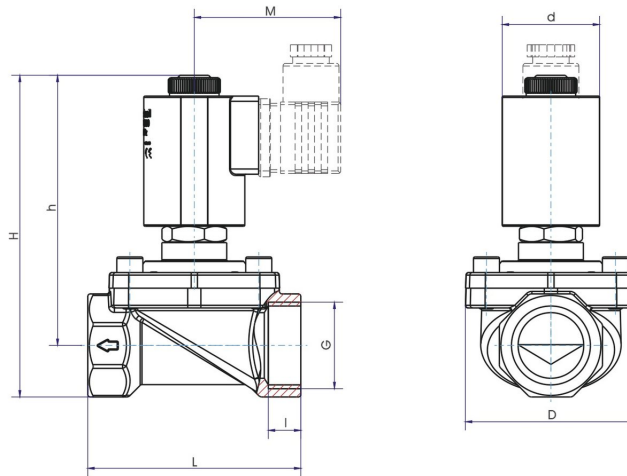
Type	Degree of protection	Insert	Approvals
C0A1	IP65	Medium temperature up to max. 120°C	CE
C0A2	IP65	Medium temperature up to max. 140°C	CE
C0C1	IP65	Medium temperature up to max. 100°C	CE
C0D1	IP65	Medium temperature up to max. 100°C	CE

Power consumption of the solenoid coils

	Coil C0A1	Coil C0A2	Coil C0C1	Coil C0D1
Power consumption in VA (AC)	32	70	70	80
Holding power in VA (AC)	14	32	35	40
Holding power in W (DC) at operating temperature	9	18	19	23



Dimensions



Connection G	Nominal size DN[mm]	Pressure range [bar] AC	Pressure range [bar] DC	d	D	h	H	I	L	M	Kv value [m ³ /h Water]	Weight [approx. kg]	Coil	Type
G3/8"	16	0...10	-	30	45	87,5	101	12	60	52,5	3,5	0,53	C0A1	SL102-38-C0A1
G3/8"	16	0...14	0...7	39	45	87,5	101	12	60	54	3,5	0,61	C0A2	SL102-38
G3/8"	16	0...14	0...14	39	45	98	111	12	60	55	3,5	0,68	C0C1	SL102-38-C0C1
G1/2"	16	0...10	-	30	45	87,5	101	12	60	52,5	3,8	0,50	C0A1	SL102-12-C0A1
G1/2"	16	0...14	0...7	36	45	87,5	101	12	60	54	3,8	0,58	C0A2	SL102-12
G1/2"	16	0...14	0...14	39	45	98	111	12	60	55	3,8	0,65	C0C1	SL102-12-C0C1
G3/4"	20	0...10	-	30	50	90	106	11	62	52,5	4,7	0,56	C0A1	SL102-34-C0A1
G3/4"	20	0...14	0...7	36	50	90	106	11	62	54	4,7	0,64	C0A2	SL102-34
G3/4"	20	0...14	0...14	39	50	100,5	117	11	62	55	4,7	0,71	C0C1	SL102-34-C0C1
G1"	25	0...10	-	30	65	95	115	11	82	52,5	8,0	0,83	C0A1	SL102-10-C0A1
G1"	25	0...14	0...7	36	65	95	115	11	82	54	8,0	0,91	C0A2	SL102-10
G1"	25	0...14	0...14	39	65	105	125	11	82	55	8,0	0,98	C0C1	SL102-10-C0C1
G1 1/4"	32	0...12	0...3	39	82	111,5	137	18	102	55	13,0	1,52	C0C1	SL102-114
G1 1/4"	32	0...10	0...9	46	82	124	149	18	102	61	13,0	1,75	C0D1	SL102-114-C0D1
G1 1/2"	40	0...10	0...2,5	39	85	114,5	142,5	22	110	55	16,8	1,74	C0C1	SL102-112
G1 1/2"	40	0...10	0...7	46	85	127	155	22	110	61	16,8	1,97	C0D1	SL102-112-C0D1
G2"	50	0...10	0...1,5	39	108	123	157	22	133,5	55	30,2	2,77	C0C1	SL102-20
G2"	50	0...10	0...5	46	108	135	169	22	133,5	61	30,2	23,0	C0D1	SL102-20-C0D1



Connection G	Nominal size DN[mm]	Pressure range [bar] AC	Pressure range [bar] DC	d	D	h	H	I	L	M	Kv value [m ³ /h Water]	Weight [approx. kg]	Coil	Type
G3/8"	16	0...14	0...14	36	45	105	118	12	60	54	3,5	0,70	C0A2	SL103-38
G1/2"	16	0...14	0...14	36	45	105	118	12	60	54	3,8	0,67	C0A2	SL103-12
G3/4"	20	0...14	0...14	36	50	107,5	123,5	11	62	54	4,7	0,73	C0A2	SL103-34
G1"	25	0...7	0...7	36	65	112	132	11	82	54	8,0	0,91	C0A2	SL103-10
G1"	25	0...14	0...14	39	65	124,5	144	11	82	55	8,0	1,1	C0C1	SL103-10- C0C1
G1 1/4"	32	0...10	0...10	39	82	131	155,5	18	102	55	13,0	1,52	C0C1	SL103-114
G1 1/2"	40	0...10	0...10	39	85	133,5	161,5	22	110	55	16,8	1,86	C0C1	SL103-112
G2"	50	0...10	0...10	39	108	142	176	22	133,5	55	30,2	2,89	C0C1	SL103-20

Illustrations non-binding

Design, dimensional and material changes reserved

Armatures / Solenoid valves for liquids and gases / Other materials - A01 / 2/2-way solenoid valve Series SL102

