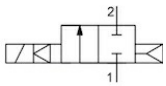
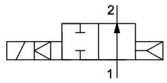
Partnership. With Guarantee.

2/2-Way solenoid valve - combined-operated
Series SL119, SL120





normally closed



normally open

Design type	2/2-way solenoid valve with diaphragm seal-off, combined-operated, normally closed or normally open
Connection	G1/2"...G2" according to ISO228/1
Materials	Body Stainless steel 1.4301, Internal parts Stainless steel similar to 1.4104, Seals FKM, EPDM or NBR, Copper shading ring
Mounting type	Installation in rigid piping system
Mounting position	only with upright electrical part
Application range	gaseous and liquid media that do not attack the materials used
Viscosity	max. 21mm ^{2} /s (cst)
Switching time	depending on operating pressure and medium
Medium temperature	depending on the sealing material
Ambient temperature	-20...+50°C, higher ambient temperatures on request

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, Silver-plated shading ring
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.

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Type code

			SL119	-	12	-	N	-	A2	S	03	-	01
		Function NC - normally closed	SL119										
	Type	Function NO - normally open	SL120										
	Connection	G1/2"			12								
		G3/4"			34								
		G1"			10								
		G11/4"			114								
		G11/2"			112								
		G2"			20								
	Seal	Standard seal FKM (V) - Leave blank											
		EPDM					E						
		NBR					N						
	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

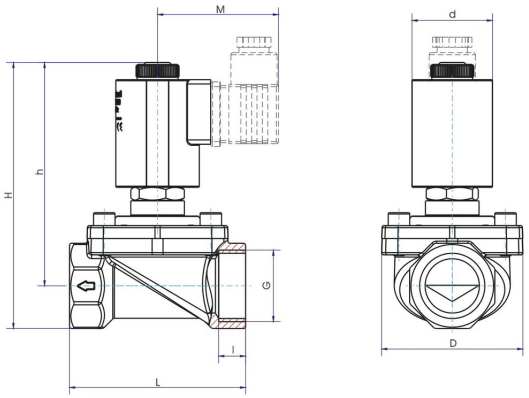
Type	Degree of protection	Insert	Approvals
C0A1	IP65	Medium temperature up to max. 120°C	CE
C0A2	IP65	Medium temperature up to max. 140°C	CE
C0C1	IP65	Medium temperature up to max. 100°C	CE
C0D1	IP65	Medium temperature up to max. 100°C	CE

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	12	27	27	32

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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
G1/2"	16	0...10	-	30	45	87,5	101	12	60	52,5	3,8	0,45	C0A1	SL119-12-C0A1
G1/2"	16	0...14	0...7	36	45	87,5	101	12	60	54	3,8	0,52	C0A2	SL119-12
G1/2"	16	0...14	0...14	39	45	98	111	12	60	55	3,8	0,60	C0C1	SL119-12-C0C1
G3/4"	20	0...10	-	30	50	90	106	11	67	52,5	4,7	0,55	C0A1	SL119-34-C0A1
G3/4"	20	0...14	0...7	36	50	90	106	11	67	54	4,7	0,62	C0A2	SL119-34
G3/4"	20	0...14	0...14	39	50	100,5	117	11	67	55	4,7	0,70	C0C1	SL119-34-C0C1
G1"	25	0...10	-	30	65	95	115	11	84	52,5	8,0	0,80	C0A1	SL119-10-C0A1
G1"	25	0...14	0...7	36	65	95	115	11	84	54	8,0	0,87	C0A2	SL119-10
G1"	25	0...14	0...14	39	65	105	125	11	84	55	8,0	0,95	C0C1	SL119-10-C0C1
G11/4"	32	0...12	0...3	39	82	111,5	137	18	105	55	13,0	1,37	C0C1	SL119-114
G11/4"	32	0...10	0...9	46	82	124	149	18	105	61	13,0	1,61	C0D1	SL119-114-C0D1
G11/2"	40	0...10	0...2,5	39	85	114,5	142,5	22	110	55	16,8	1,51	C0C1	SL119-112
G11/2"	40	0...10	0...7	46	85	127	155	22	110	61	16,8	1,75	C0D1	SL119-112-C0D1
G2"	50	0...10	0...1,5	39	108	123	157	22	133,5	55	30,2	2,33	C0C1	SL119-20
G2"	50	0...10	0...5	46	108	135	169	22	133,5	61	30,2	2,57	C0D1	SL119-20-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
G1/2"	16	0...14	0...14	36	45	105	118	12	60	54	3,8	0,61	C0A2	SL120-12
G3/4"	20	0...14	0...14	36	50	107,5	123,5	11	67	54	4,7	0,71	C0A2	SL120-34
G1"	25	0...7	0...7	36	65	112	132	11	84	54	8,0	0,96	C0A2	SL120-10
G1"	25	0...14	0...14	39	65	124,5	144	11	84	55	8,0	1,07	C0C1	SL120-10-C0C1
G11/4"	32	0...10	0...10	39	82	131	155,5	18	105	55	13,0	1,49	C0C1	SL120-114
G11/2"	40	0...10	0...10	39	85	133,5	161,5	22	110	55	16,8	1,63	C0C1	SL120-112
G2"	50	0...10	0...10	39	108	142	176	22	133,5	55	30,2	2,45	C0C1	SL120-20

Illustrations non-binding
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