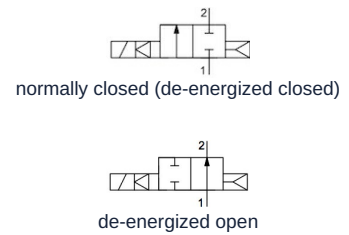
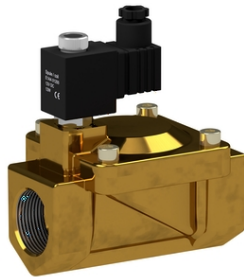


2/2-Way solenoid valve - pilot-operated Series SL125, SL126



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 Brass and Stainless steel similar 1.4104, Diaphragm material NBR, EPDM or FKM Guide tube 3/8" ... 1" Brass Guide tube 1 1/4" ... 2" Stainless steel
Mounting type	Installation in rigid piping system
Mounting position	any
Application range	gaseous and liquid media that do not attack the materials used
Viscosity	max. 12mm ² /s (cst)
Switching time	depending on operating pressure and medium
Medium temperature	depending on the sealing material and Solenoid coil
Ambient temperature	-20...+50°C, higher ambient temperatures on request

Electrical data:

Coil type	Type C0B1, Connector width 22mm Type C0A1, Connector width 32mm Type C0A2, Connector width 32mm
Electrical connection	connector according to industrial form B or rather 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...380V/50Hz or 60Hz, 12...220VDC
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, ATEX version
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 if the minimum differential pressure of 0.5 bar is present.. ATEX: The valves may only be used for media that are not explosive.



Type code

SL125 - 12 - V - B1 S 03 - 01									
	Function NC - closed when de-energized	SL125							
Type	Function NO - de-energized open	SL126							
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							
	C0B1	B1							
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
NBR	-10...80°C	Air, Water, neutral gases and liquids
EPDM	-10...130°C	Hot water, Steam, Oxygen
FKM	-10...130°C	Oils, Gasoline, Diesel

Solenoid coils

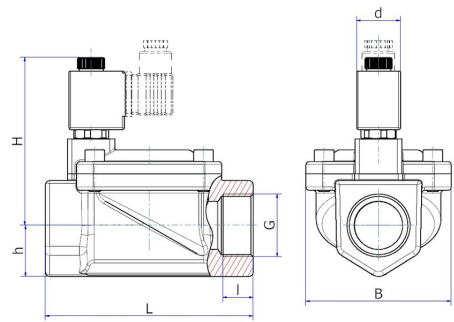
Type	Degree of protection	Insert	Approvals
C0B1	IP65	Medium temperature up to max. 130°C	CE
C0A1	IP65	Medium temperature up to max. 120°C	CE
C0A2	IP65	Medium temperature up to max. 140°C	CE

Power consumption of the solenoid coils

	Coil C0B1	Coil C0A1	Coil C0A2
Power consumption in VA (AC)	13	32	70
Holding power in VA (AC)	10	14	32
Holding power in W (DC) at operating temperature	6,5	12	27



Dimensions



Connection G	Nominal size DN[mm]	Pressure range [bar] AC	Pressure range [bar] DC	B	d	h	H	I	L	Kv value [m ³ /h Water]	Weight [approx. kg]	Coil	Type
G3/8"	15	0,5...16	0,5...12	48	22	15	76	12	65	3,0	0,52	C0B1	SL125-38-C0B1
G1/2"	15	0,5...16	0,5...12	48	22	15	76	12	65	3,4	0,52	C0B1	SL125-12-C0B1
G3/4"	19	0,5...16	0,5...12	57,8	22	18	78,5	12	74,5	4,8	0,72	C0B1	SL125-34-C0B1
G1"	25	0,5...16	0,5...12	69,8	22	22,1	89,6	12	96	8,5	1,07	C0B1	SL125-10-C0B1
G1 1/4"	40	0,5...12	0,5...12	96	30	34,1	112	17	130	15	1,63	C0A.	SL125-114
G1 1/2"	40	0,5...12	0,5...12	96	30	34,1	112	19	130	19,5	2,22	C0A.	SL125-112
G2"	48	0,5...12	0,5...12	119	30	34,5	124,2	22	168	30,5	4,14	C0A.	SL125-20

Connection G	Nominal size DN[mm]	Pressure range [bar]	B	d	h	H	I	L	Kv value [m ³ /h Water]	Weight [approx. kg]	Coil	Type
G3/8"	15	0,5...10	48	22	15	76	12	65	3,0	0,52	C0B1	SL126-38-C0B1
G1/2"	15	0,5...10	48	22	15	76	12	65	3,4	0,52	C0B1	SL126-12-C0B1
G3/4"	19	0,5...10	57,8	22	18	78,5	12	74,5	4,8	0,72	C0B1	SL126-34-C0B1
G1"	25	0,5...10	69,8	22	22,1	89,6	12	96	8,5	1,07	C0B1	SL126-10-C0B1
G1 1/4"	40	0,5...10	96	30	34,1	112	17	130	15	1,63	C0A.	SL126-114
G1 1/2"	40	0,5...10	96	30	34,1	112	19	130	19,5	2,22	C0A.	SL126-112
G2"	48	0,5...10	119	30	34,5	124,2	22	168	30,5	4,14	C0A.	SL126-20

Illustrations non-binding
Design, dimensional and material changes reserved

Armatures / Solenoid valves for liquids and gases / Other materiales - A01 / 2/2-way solenoid valve Series SL125-B1