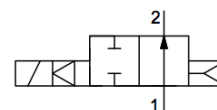


2/2 - way solenoid valve - combined operated series SL120



normally open

design	2/2-way solenoid valve with diaphragm, combined operated, normally open
connection	G1/2"...G2" according to ISO228/1
materials	body stainless steel AISI 304, inner parts stainless steel similar to AISI 430F, seals FKM or EPDM
type of fixing	installed into rigid pipework
mounting position	only with electric parts standing up
application	gaseous and liquid fluids which do not affect the used materials
viscosity	max. 21mm ² /s (cst)
switching time	depending on operating pressure and media
medium temperature	dependent on sealing material
ambient temperature	-5...+50°C
electrical data	
type of coil	type E3AE, connector size 32mm type F1AA, connector size 32mm
electrical connection	connector acc. to EN175301-803-form A (see separate datasheet)
type of current	AC and DC
standard voltage	230V/50Hz, 24V/50Hz, 24VDC
special voltage	12...240V/50Hz or 60Hz, 6...200VDC
acceptable voltage tolerance	+10%/-10%
power consumption	see to the table "power consumption of coils"
duty cycle	100% duty cycle (continuous operation)
protection class	IP65 according to EN 60529 for a correctly mounted connector (protection against the penetration of dust and jet water)
direction for use	please specify voltage and type of current by order. we always recommend connecting a strainer in front of the valve, otherwise malfunction can occur in the event of contaminated medium. these valves can also be used for rough vacuum.

type code

		SL120 - 12 - E - 03	
connection	G1/2"	12	
	G3/4"	34	
	G1"	10	
	G1 1/4"	114	
	G1 1/2"	112	
	G2"	20	
seal	FKM (blank position)		
	EPDM		E
voltage	24VDC		03
	24V/50Hz		18
	230V/50Hz		21

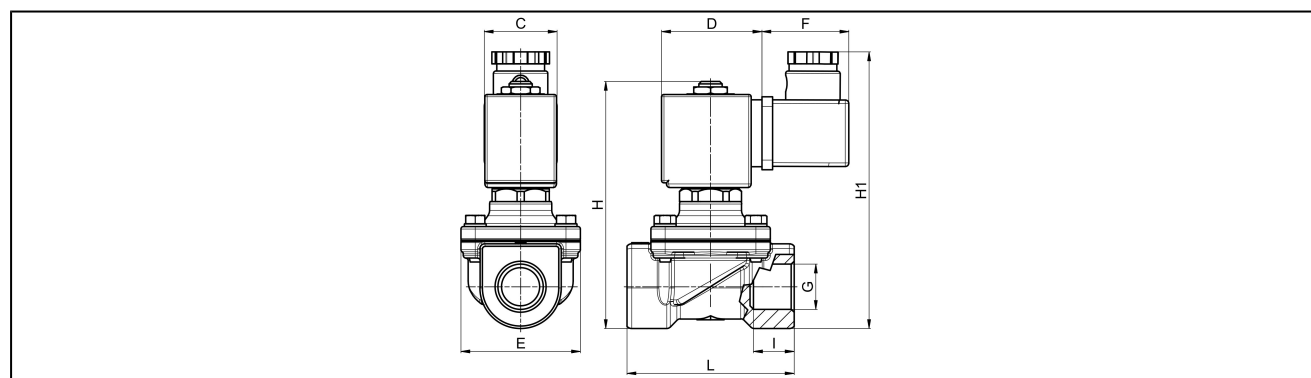
application of the individual seal materials

material	medium temperature	examples of use
EPDM	-10...130°C	hot water, steam, oxygen
FKM	-10...130°C	petrol, diesel, air, neutral gases and liquids, oils, water

power consumptions of the coils

	coil E3AE	coil F1AA
inrush power in VA (AC)	70	70
holding power in VA (AC)	32	35
holding power in W (DC) operating temperature	27	27

dimensions



connection G	nominal diameter DN[mm]	pressure range [bar] AC	pressure range [bar] DC	C	D	E	F	H	H1	I	L	kv value [m³/h water]	weight [approx. kg]	coil	type
G1/2"	16	0-14	0-14	36	45	36	118			12	60	3,8	0,61	E3AE	SL120-12
G3/4"	20	0-14	0-14	36	50	36	123,5			11	67	4,7	0,71	E3AE	SL120-34
G1"	25	0-14	0-14	39	65	36	124,5			11	84	5,5	1,07	F1AA	SL120-10
G1 1/4"	32	0-10	0-10	39	82	36	155,5			18	105	13	1,49	F1AA	SL120-114
G1 1/2"	40	0-10	0-10	39	85	36	161,5			22	110	16,8	1,63	F1AA	SL120-112
G2"	50	0-10	0-10	39	108	36	176			22	133,5	30,2	2,45	F1AA	SL120-20

illustrations are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice