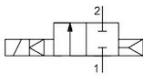
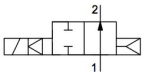
Partnership. With Guarantee.

2/2-Way solenoid valve - pilot-operated
Series SL012, SL013





normally closed



normally open

Design type	2/2-way solenoid valve with piston seal, pilot-operated SL012 normally closed / SL013 de-energized open
Connection	G1/2"...G1" according to ISO228/1
Materials	Body Brass, Seat Stainless steel, Internal parts Stainless steel similar 1.4101, Piston guide PTFE-coated, Piston seal PTFE glass fiber reinforced
Mounting type	Installation in rigid piping system
Mounting position	any
Application range	Steam, Hot water, other media on request
Switching time	depending on operating pressure, medium and nominal diameter
Medium temperature	-40...+180°C
Ambient temperature	see table "Solenoid coils"

Electrical data:

Coil type	Type BDV, Connector width 32mm (Coil for humid environment) Type GDH, Connector width 32mm Coil for humid environment)
Electrical connection	connector according to EN175301-803-Form A (see separate data sheet)
Voltage type	AC and DC voltage
Standard voltage	230V/50Hz, 24V/50-60Hz, 24VDC
Special voltages	see table "Solenoid coils"
Permissible voltage fluctuation	AC +10%/-15% DC +10%/-5%
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)
Application note	When ordering please specify voltage and type of current. We recommend always installing a strainer upstream to prevent malfunctions in the event of contamination of the medium.

+43 512 52076
austria@stasto.eu
© STASTO Automation KG

Type code

		SL012- SL013-	12	-	C	S	02
		G1/2"	12				
		G3/4"	34				
	Connection	G1"	10				
		BDV Coil for humid environment - Approval CE-CSA-UL-VDE			C		
	Coil	GDH Coil for humid environment - Approval CE			D		
		Standard				S	
	connector	with built-in yellow LED and VDR				L	
		230V/50Hz-240V/60Hz					02
		24VDC					03
		24V/50-60Hz					04
		12VDC					05
		48VDC					06
		220VDC					08
	Voltage	110V/50Hz-120V/60Hz					14

Possible applications of the individual sealing materials

Material	Medium temperature	Application examples
PTFE	-40...+180°C	Steam, Hot water

Solenoid coils

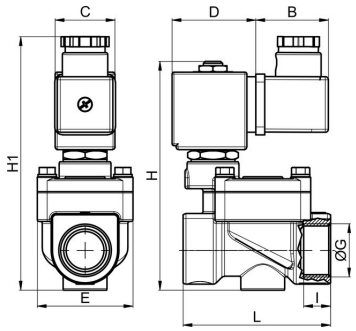
Type	Degree of protection	Insert	Ambient temperature	Approvals
BDV	IP65	Medium temperature up to max. 180°C, high humidity	-20...+60°C	CE-CSA-UL-VDE
GDH	IP65	Medium temperature up to max. 180°C, high humidity	-20...+40°C	CE

Power consumption of the solenoid coils

Voltage	Tightening torque (Alternating current) VA	Holding force (Alternating current) VA	Holding force (Direct current) operating temperature W	Type
230V/50Hz 240V/60Hz	25	16	-	BDV08230AY
24V/50-60Hz	25	17	-	BDV08024DY
24VDC	-	-	11	BDV08024CY
110V/50Hz 120V/60Hz	25	15	-	BDV08110AY
12VDC	-	-	14	GDH14012CS
48VDC	-	-	14	GDH14048CS
220VDC	-	-	14	GDH14220CS

© STASTO Automation KG

Dimensions



Connection G	Nominal size DN[mm]	Pressure range [bar]	B	C	D	E	H	H1	I	L	Kv value [m^3/h Water]	Weight [approx. kg]	Coil	Type
G1/2"	13	0,9 - 10	36	30	42	40	107	121	11	65	3	1,1	BDV	SL012-12
G1/2"	13	0,9 - 10	36	52	55	40	107	121	11	65	3	1,1	GD.	SL012-12
G3/4"	19	0,9 - 10	36	30	42	48	120	134	13	74	5,4	1,4	BDV	SL012-34
G3/4"	19	0,9 - 10	36	52	55	48	120	134	13	74	5,4	1,4	GD.	SL012-34
G1"	25	0,9 - 10	36	30	42	62	130	144	16	93	9,6	1,9	BDV	SL012-10
G1"	25	0,9 - 10	36	52	55	62	130	144	16	93	9,6	1,9	GD.	SL012-10

Illustrations non-binding
Design, dimensional and material changes reserved

+43 512 52076
austria@stasto.eu
© STASTO Automation KG