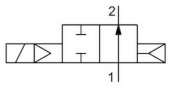
Partnership. With Guarantee.

2/2-Way solenoid valve - combined-operated Series SL035





de-energized open

Design type	2/2-way solenoid valve with diaphragm seal, combined-operated, normally open
Connection	G3/8"...G3/4" according to ISO228/1
Materials	Body Stainless steel 1.4408, Internal parts stainless steel similar 1.4106, Seals NBR or FKM
Application range	gaseous and liquid media that do not attack the materials used
Medium temperature	depending on the sealing material and Solenoid coil
Ambient temperature	see table "Solenoid coil"
Viscosity	max. 12mm^2/s (cst)
Switching time	depending on operating pressure and medium
Mounting type	Installation in rigid piping system
Mounting position	preferably with upright electrical part

Electrical data:

Coil type	Type BDA, Connector width 32mm (Standard coil) Type BDV, 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/50-60Hz, 24V/50-60Hz, 24VDC
Special voltages	12...380V/50Hz or 60Hz, 12...220VDC
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 properly 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. These valves can also be used for rough vacuum applications.
Special version	ATEX II 3G nA IIC T3 Gc / II 3D tc IIIC T200°C Dc IP65

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

Type code

SL035	-	38	-	N	-	A	S	01	-	01		
	Connection	G3/8"	38									
		G1/2"	12									
		G3/4"	34									
	Seal	Standard seal FKM - Leave blank										
		NBR		N								
	Coil	without coil - Leave blank										
		BDA Standard coil - Approval CE				A						
		BDV Coil for humid environment - Approval CE-CSA-UL-VDE				C						
	Device connector	without device connector - Leave blank										
		Standard					S					
		with built-in yellow LED and VDR					L					
		with moulded PVC cable (2 m)					M					
	Voltage	220-230V/50-60Hz						01				
		230V/50-240V/60Hz						02				
		24VDC						03				
		24V/50-60Hz						04				
		12VDC						05				
		48VDC						06				
		110VDC						07				
		220VDC						08				
		42V/50Hz						10				
		48V/50Hz						11				
		110V/50-60Hz						13				
		110V/50-120V/60Hz						14				
		380V/50-60Hz						16				
	Special version	described in item text								01		

Applications of the individual sealing materials

Material	Medium temperature	Application examples
FKM	-10...140°C	Gasoline, Diesel, Air, Oils, Water, neutral gases and liquids
NBR	-10...90°C	Air, Water, neutral gases and liquids

Solenoid coil

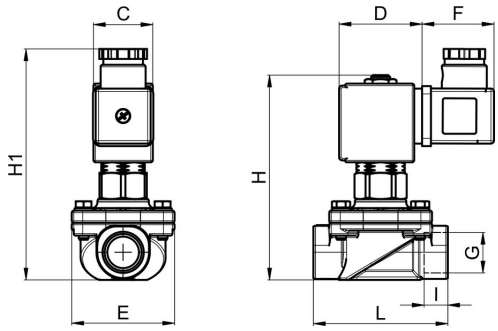
Type	Degree of protection	Insert	Ambient temperature	Approvals
BDA	IP65	Medium temperature up to max. 120°C	-10...+40°C	CE
BDV	IP65	Medium temperature up to max. 180°C, high humidity	-20...+60°C	CE-CSA-UL-VDE

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

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
24V/50-60Hz	25	14,5	-	BDA08024DS
42V/50Hz	25	14,5	-	BDA08042AS
48V/50Hz	25	14,5	-	BDA08048AS
110V/50-60Hz	25	14,5	-	BDA08110DS
220-230V/50-60Hz	25	14,5	-	BDA08223DS
380V/50-60Hz	25	14,5	-	BDA08380DS
12VDC	-	-	8	BDA08012CS
24VDC	-	-	8	BDA08024CS
110VDC	-	-	8	BDA08110CS
24V/50-60Hz	25	17	-	BDV08024DY
230V/50Hz 240V/60Hz	25	16	-	BDV08230AY
110V/50Hz 120V/60Hz	25	15	-	BDV08110AY
24VDC	-	-	11	BDV08024CY

Dimensions



Connection G	Nominal size DN[mm]	Pressure range [bar] AC/DC	C	D	E	F	H	H1	I	L	Kv value [m^3/h Water]	Weight [approx. kg]	Coil	Type
G3/8"	15	0...10	30	42	52	36	92	106	12	68	1,8	0,67	BD.	SL035-38
G1/2"	16	0...10	30	42	52	36	92	106	14	68	2,4	0,64	BD.	SL035-12
G3/4"	20	0...10	30	42	58	36	100	114	16	75	3,0	0,78	BD.	SL035-34

Illustrations non-binding
Design, dimensional and material changes reserved

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