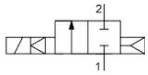
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2/2-Way solenoid valve - pilot-operated
Series SL188





normally closed

Design type	2/2-way solenoid valve with diaphragm seal-off, pilot-operated, normally closed
Connection	G3/8"...G1/2" according to ISO228/1
Materials	Body Brass, Internal parts Brass and Stainless steel similar 1.4104, Guide tube Stainless steel, Diaphragm material NBR, EPDM or FKM
Application range	gaseous and liquid media that do not attack the materials used
Viscosity	max. 12mm ^{2} /s (cst)
Medium temperature	depending on the sealing material and Solenoid coil
Ambient temperature	-20...+50°C, higher ambient temperatures on request
Mounting type	Installation in rigid piping system or via mounting thread
Mounting position	any
Switching time	depending on operating pressure and medium

Electrical data:

Coil type	Type C0A1, Connector width 32mm Type C0A2, 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...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
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.

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Type code

			SL188	-	12	-	V	-	A1	S	03	-	01
Type	Function NC - normally closed	SL188											
Connection	G3/8"	38											
	G1/2"	12											
Seal	Standard seal NBR (N) - Leave blank												
	EPDM	E											
	FKM	V											
Coil	without coil - Leave blank												
	C0A1	A1											
	C0A2	A2											
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...120°C	Oils, Gasoline, Diesel

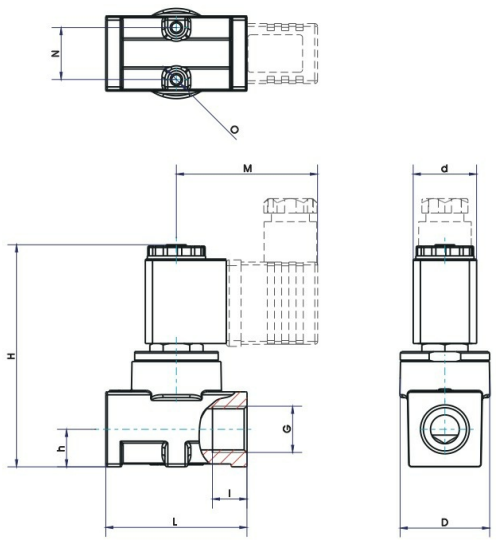
Solenoid coils

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

Power consumption of the solenoid coils

	Coil C0A1	Coil C0A2
Power consumption in VA (AC)	32	70
Holding power in VA (AC)	14	32
Holding power in W (DC) at operating temperature	12	27

Dimensions



Connection G	Nominal size DN[mm]	Pressure range [bar] AC	Pressure range [bar] DC	d	D	h	H	I	L	M	N	O	Kv value [m 3 /h Water]	Weight [approx. kg]	Coil	Type
G3/8"	10	0,02...12	0,02...10	30	32,5	13	94	12	49	52	18	M4	1,7	0,41	C0A.	SL188-38
G1/2"	10	0,02...12	0,02...10	30	32,5	13	94	12	49	52	18	M4	1,7	0,41	C0A.	SL188-12

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