

## FEATURES

- Miniature solenoid valves for medical and gas analysers and biotechnology equipment
- Designed to control acids, bases and analytical reagents
- Hermetic separation of control mechanism and fluid:
  - Particulate contamination caused by friction of moving parts is excluded
  - Reliable operation in applications with highly aggressive fluids is ensured
- Easy-to-flush internal cavity and good self-draining capability
- Low internal volume
- Low power consumption
- Easy installation

## GENERAL

<b>Differential pressure</b>	0 to +0,5 bar [1 bar =100 kPa]
<b>Maximum viscosity</b>	20 cSt (mm <sup>2</sup> /s)
<b>Response time</b>	< 20 ms
<b>Internal volume</b>	< 10 µl

fluids (*)	temperature range (TS)	seal materials (*)
liquids or gases (filtered 50 µm)	+10°C to + 40°C	FFPM (perfluoroelastomer)

## MATERIALS IN CONTACT WITH FLUID

(\*) Ensure that the compatibility of the fluids in contact with the materials is verified

<b>Body</b>	PEEK
<b>Diaphragm</b>	FFPM

## OTHERS MATERIALS

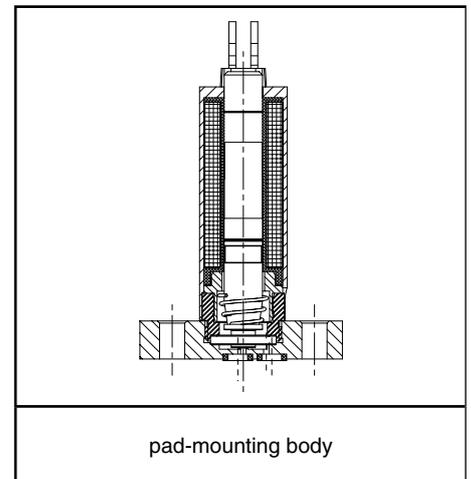
<b>Internal parts</b>	Stainless steel
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## ELECTRICAL CHARACTERISTICS

<b>Coil insulation class</b>	F
<b>Coil connection</b>	Pin header with 2 contacts
<b>Electrical safety</b>	IEC 335
<b>Standard voltages</b>	DC (=) : 12V - 24V

prefix option	power ratings				operator ambient temperature range (TS) (C°)	replacement coil		type <sup>(1)</sup>
	inrush ~	holding ~		cold =				
	(VA)	(VA)	(W)	(W)				
L	-	-	-	1	+10 to + 40	-	-	01

<sup>(1)</sup> Refer to the dimensional drawings on the following page.



## SPECIFICATIONS

pipe size	orifice size (mm)	flow coefficient Kv (m <sup>3</sup> /h) (l/min)		operating pressure differential (bar)		power coil (W)	catalogue number	
				min.	max. (PS)		pad-mounting body	cable ends
					liquids, gases (*)			
<b>NC - Normally closed</b>								
pad mounting	0,5	0,0066	0,11	0	0,5	1	<b>LS282A010</b>	

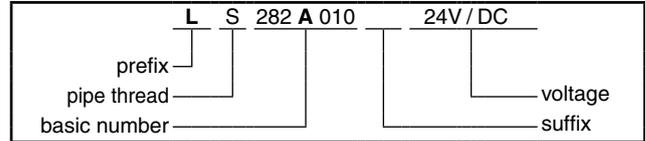
**OPTIONS**

- Valves can also be supplied with FPM (fluoroelastomer) and EPDM (ethylene-propylene) seals and diaphragm. Contact us

**INSTALLATION**

- The solenoid valves can be mounted in any position without affecting operation

**ORDERING EXAMPLES:**



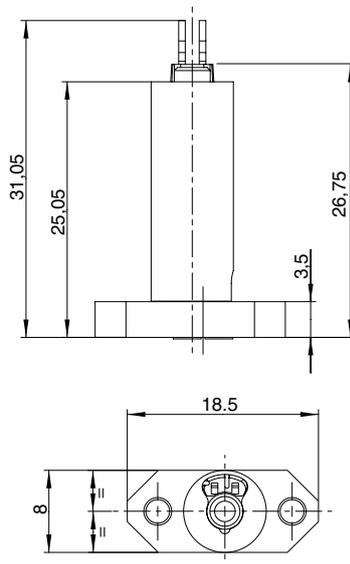
**DIMENSIONS (mm), WEIGHT (kg)**



**TYPE 01**

Prefix "L" solenoid  
IEC 335 / with pin header with 2 contacts  
Weight: 0,006

**LS282A010**



**Pad-mounting pattern**

