



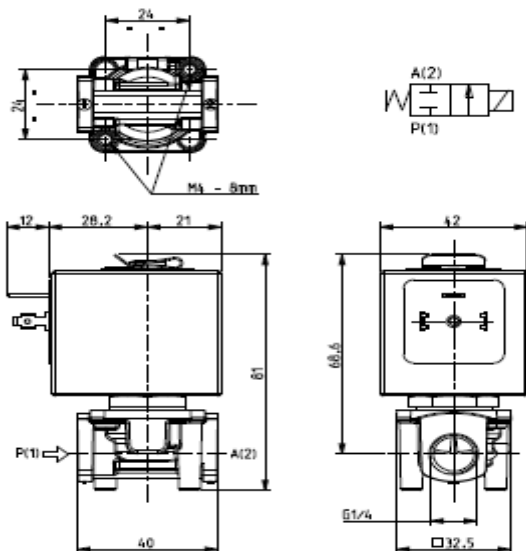
SOLENOID VALVE

2/2 - NC (Normally closed)

Direct acting

G1/4

L159



► GENERAL FEATURES

Direct acting solenoid valve.

Suitable to shut off liquid and gaseous fluids; particularly suitable to shut off overheated water and steam (verify the compatibility of fluid with materials in contact).

► TECHNICAL FEATURES

Maximum allowable pressure (PS)	40 bar
Opening time	~30ms
Closing time	~30ms
Fluid temperature	-10°C +170°C
Max viscosity	5°E (~37 cStokes or mm ² /s)

► MATERIALS IN CONTACT WITH FLUID

Body	Brass
Sealing	Ruby
Internal components	Stainless steel
Seat	Stainless steel
Core tube	Stainless steel
Shading coil	Copper

► COIL

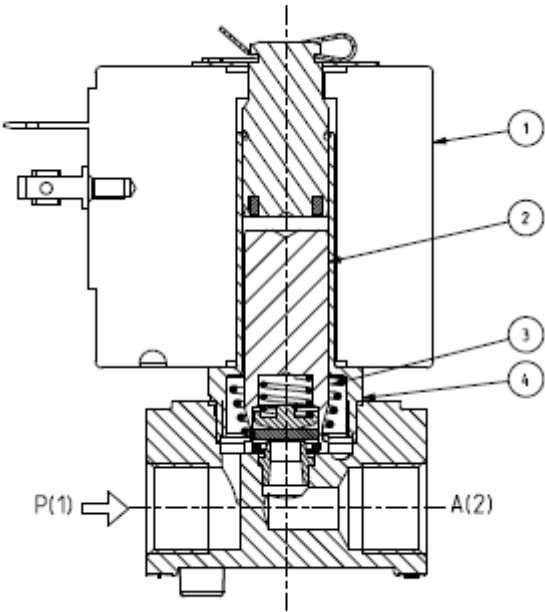
Continuous duty	ED 100%
Encapsulation material	PET (polyethylene terephthalate) fiberglass reinforced
Insulation class	H (165°C) - UL
Ambient temperature	-10°C +80°C
Electric connections	DIN 46340 - 3 poles plug connector (EN175301-803)
Protection degree	IP 65 (EN 60529) with plug connector
Voltages	DC 12-24V (+10% -5%)
AC	24V/50Hz - 110V/50Hz (120V/60Hz)
	230V/50Hz (+10% -15%)
	(Other voltages and frequencies on request).

Port size ISO 228	Ø Int. (mm)	Differential pressure (bar)					Kv (m³/h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)
		Δp min	Δp max							AC (VA)		c.c. (W)			
			Gas		Liquids			Valve	Coil	Inrush	Holding				
			AC	DC	AC	DC									
G 1/4	3	0	30	17	30	17	0,25	L159C05	Z134A	44	24	13	RUBY	1-2	0,500
	4,5		12	4	12	4	0,45								

► NOTES

- Sealings : RUBY = Synthetic corundum
- The use of rigid sealings with gaseous fluids implies a slight leakage, generally limited within 2 scc/min. at 1 bar pressure
- 1 - Only for use with steam, consider following values: max pressure 8 bar (max temperature of fluid 170°).
- 2 - On request coil type Z130A (PET Polyethylene terephthalate) class "F" (+140°C), maximum ambient temperature +60°C.

► SPARE PARTS



Kit description

Kit P.N.

Consisting of:

Core kit

G2877401

Core (with core return spring) pos. 2

Core return spring kit

G2866801

N.10 core return spring pos. 3

Guide assembly kit

G31527

Guide assembly pos. 4
Coil clip

Coil Z134A

Coil pos. 1

► INSTALLATION

Solenoid valve can be mounted in any position; vertical with coil upwards preferred.

THE VALIDITY OF REPORTED DATA IS REFERRED TO THE DATE OF ISSUE. POSSIBLE UPDATES ARE AVAILABLE ON REQUEST.