



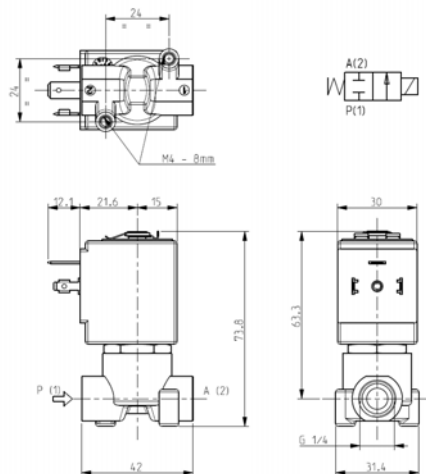
SOLENOID VALVE

2/2 - NC (Normally closed)

Direct acting

G 1/4

L121



► GENERAL FEATURES

Direct acting solenoid valve.

Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with materials in contact).

► TECHNICAL FEATURES

Maximum allowable pressure (PS)	40 bar
Opening time	~20ms
Closing time	~20ms
Fluid temperature	-10°C +90°C (NBR) 0°C +130°C (FPM) -10°C +140°C (EPDM)
Max viscosity	5°E (~37 cStokes or mm²/s)

► APPROVALS

UL (Class F) approval – for UL cl.H: ZA34

IMQ CSV approval, see ZA10 data sheet for further details

Compliant with MD 174/2004 and Reg. CE 1935/2004

► MATERIALS IN CONTACT WITH FLUID

Body	Brass
Sealing	NBR or FPM or EPDM
Internal components	Stainless steel
Seat	Brass
Core tube	Stainless steel
Shading coil	Copper

► COIL

Continuous duty	ED 100%
Encapsulation material	PPS (Polyphenilsulfure) fiberglass reinforced
Insulation class	F (155°C) on request class H (180°C)
Ambient temperature	-10°C +50°C
Electric connections	DIN 46340 - 3 poles connectors (EN175301-803)
Protection degree	IP 67 (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	Orifice size (mm)	Differential pressure (bar)				Kv (m³/h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)	
		Δp min	Δp max						AC (VA)		DC (W)				
			Gases		Liquids		Inrush	Holding							
			AC	DC	AC				DC						
G 1/4	1,6	0	30	30	30	30	0,09	L121V02	ZA10A	23	14	9	FPM	1	0,290
	2,3		20	16	20	16	0,15	L121B02					NBR	1 - 2	
								L121V02					FPM	1	
								L121D02					EPDM		
	3,2		12	4	12	4	0,30	L121B02	ZA10G	-	-	12	NBR	-	
								L121V02					FPM		
								L121B02					FPM		
	4,5		6	2	6	2	0,40	L121B02	ZA10A	23	14	9	NBR	2	
								L121V02					FPM		
								L121D02					EPDM		
			-	3	-	3		L121B02	ZA10G	-	-	12	NBR		
								L121V02					FPM		
								L121D02					EPDM		

► NOTES

- Sealings : NBR = Nitrile-butylene elastomer FPM = Fluoro-carbon elastomer EPDM = Ethylene-propylene elastomer
- IMQ CSV approval, see ZA10 datasheet for further details
- UL approved coil (E153691)
- 1 - On request special coil ZA10X, class "F", with UL approved windings - see overleaf.
- 2 - Model available on request only: ask for minimum quantity.

1605/1708

► COIL FOR SPECIAL VOLTAGES ZA10X

Approval UL (Class F); see voltages
 Continuous duty ED 100%
 Encapsulation material PPS (Polyphenylsulfure) fiberglass reinforced
 Coil insulation class F (155°C)
 Ambient temperature -10°C +50°C

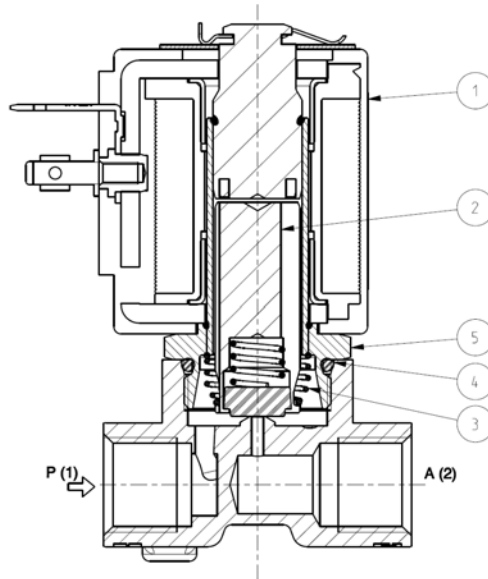
Ambient temperature DIN 46340 - 3 poles connectors (EN175301-803)
 Electric connections IP 67 (EN 60529) with plug connector
 Voltages AC 24V/50-60Hz (UL) ▪ 100V/50-60Hz ▪ 115-120V/60Hz ▪
 200V/50-60Hz ▪ 220-230V/50Hz - 208-240V/60Hz (UL) ▪
 220-240V/50Hz (UL) ▪ (+10% -15%)

Port size ISO 228	Orifice size (mm)	Differential pressure (bar)						Kv (m³/h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)
		Δp min	Δp max													
			Gases			Liquids										
			AC	DC	AC	DC	AC		DC	Valve		Inrush	Holding			
G 1/4	1,6	0	30	-	30	-	0,09	L121V02	ZA10X	23	14	-	FPM	-	0,290	
	2,3		16		16		0,15	L121B02					NBR	1		
								L121V02					FPM	-		
								L121D02					EPDM			
								L121B02					NBR			
	3,2		9		9		0,30	L121V02					FPM			

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► SPARE PARTS



Kit description

Core kit	L121B02 L121V02 L121D02
Core return spring kit	
OR guide assembly kit	L121B02 L121V02 L121D02
Guide assembly kit	
Coil	

Kit P.N.

G3022804 G3022803 G3022801
G3022401
GU2421000017 GU2424000017 GU2423000017
G31486
ZA10A ZA10G ZA10X

Consisting of:

Core (with core return spring) pos. 2 OR guide assembly pos. 4
N.10 core return spring pos. 3
N.10 OR guide assembly pos. 4
Guide assembly pos. 5 Coil clip
Coil pos. 1

► MOUNTING

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