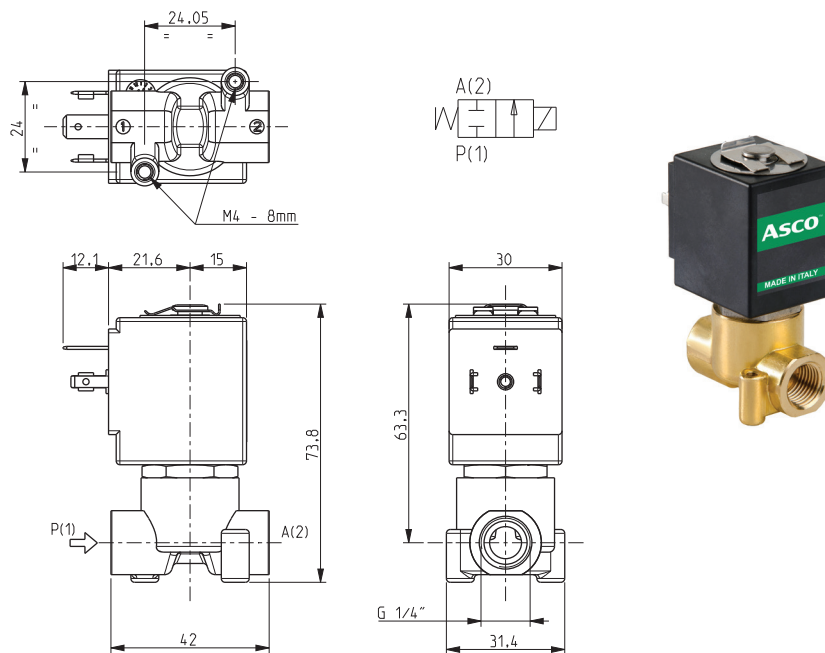


ASCO™ SOLENOID VALVE

2/2 NORMALLY CLOSED – DIRECT ACTING - G 1/4

SERIES
L121-V05



General Features

Direct acting solenoid valve, complying with NSF standards.

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	0°C +130°C
Max viscosity	5°E (~37 cStokes or mm²/s)

Materials in Contact with Fluid	
Body	Chemically nickel plated brass (Ni-P)
Sealing	FPM
Internal components	Stainless steel
Seat	Chemically nickel plated brass (Ni-P)
Guide assembly	Stainless steel
Shading ring	Copper

Coil		
Approval	UL (class F) – for UL cl. H: ZA34 (E153691)	
Continuous duty	ED 100%	
Encapsulation material	PPS (Polyphenylsulfure) glass fibre 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	ZA10A: 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	3,2	0	12	4	12	4	0,30	L121V05	ZA10A	23	14	9	FPM	1	0,290
			-	7	-	7			ZA10G	-	-	12		-	

Notes

- Sealings : FPM = Fluoro-carbon elastomer
- IMQ CSV approval, see ZA10 datasheet for further details
- 1 - On request special coil ZA10X, class "F", with UL homologated windings – see overleaf.

SERIES
L121-V05

ASCO™ SOLENOID VALVE
2/2 NORMALLY CLOSED – DIRECT ACTING - G 1/4

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

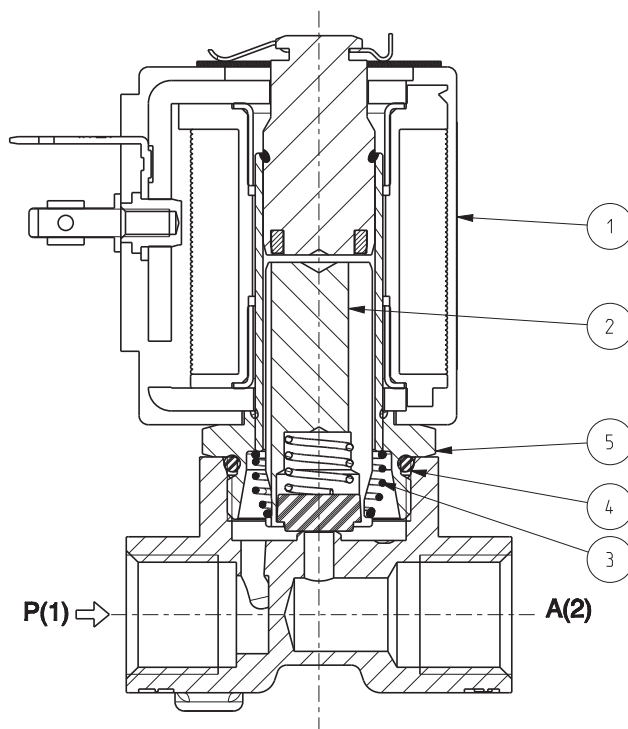
Ambient temperature		DIN 46340 - 3 poles connectors (EN175301-803)
Electric connections		IP 67 (EN 60529) with plug connector
Voltages	AC	24V/50-60Hz (UL) • 100V/50-60Hz 115-120V/60Hz • 200V/50-60Hz 220-230V/50Hz - 208-240V/60Hz (UL) 220-240V/50Hz (UL) • (+10% -15%)

Port size ISO 228	Orifice size (mm)	Differential pressure (bar)					Kv (m³/h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)
		Ap min	Ap max												
			Gases		Liquids			Valve				DC (W)			
			AC	DC	AC	DC				Inrush	Holding				
G 1/4	3,2	0	9	-	9	-	0,30	L121V05	ZA10X	23	14	-	FPM	-	0,300

Notes

- Sealings : FPM = Fluoro-carbon elastomer

Spare Parts



Kit description	Kit P.N.	Consisting of:
Core kit	G3022803	Core (with core return spring) pos. 2 OR guide assembly pos. 4
Core return spring kit	G3022401	N.10 core return spring pos.3
OR guide assembly kit	GU2424000017	N.10 OR guide assembly pos.4
Guide pipe assembly kit	G31486	Guide assembly pos.5 Coil clip
Coil	ZA10A ZA10G ZA10X	Coil pos.1

Installation

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