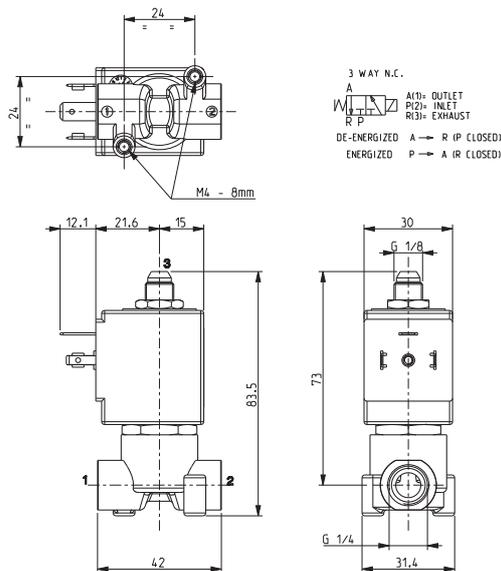


ASCO™ SOLENOID VALVE

3/2 NORMALLY OPEN – DIRECT ACTING - G 1/4

SERIES
L321-D01C-V01C



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 +140°C (EPDM) 0°C +130°C (FPM)
Max viscosity	5°E (~37 cStokes or mm ² /s)

Materials in Contact with Fluid

Body	Brass
Sealing	EPDM / FPM
Internal components	Stainless steel
Seat	Stainless steel
Guide assembly	Stainless steel
Shading ring	Copper

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

NSF certified – only for L321V01C



Coil

Continuous duty	ED 100%	
Encapsulation material	PPS (Polyphenylsulfure) 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	ZA10G: 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 (m ³ /h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)	
		Δp min	Δp max		Valve		Coil	AC (VA)		DC (W)					
			Gases	Liquids				Inrush	Holding						
G 1/4	3,2	0	AC	DC	AC	DC	L321D01C	ZA10A	23	14	-	EPDM	1	0,300	
			-	3	-	3			ZA10G	-	-				12
			3	-	3	-		L321V01C		ZA10A	23				14
			-	3	-	3			ZA10G		-				-

Notes

- Sealings: EPDM=Ethylene-propylene elastomer
- Upper exhaust (3) with seat diameter 2,3 mm
- UL approved coil (E153691)
- 1 - On request special coils ZA10X, class "F", with UL homologated windings – see overleaf.

SERIES
L321-D01C-V01C

ASCO™ SOLENOID VALVE
3/2 NORMALLY OPEN – DIRECT ACTING - G 1/4

Coil for Special Voltages ZA10X – ZA10B	
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

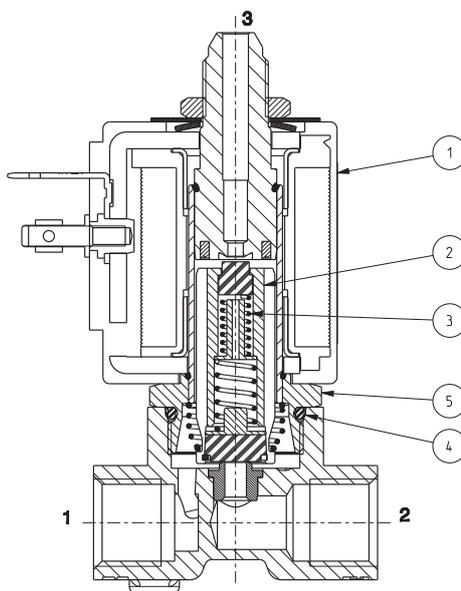
Ambient temperature	DIN 46340 - 3 poles connectors (EN175301-803)	
Electric connections	IP 67 (EN 60529) with plug connector	
Voltages	DC	ZA10B: 24V (UL)
	AC	ZA10X: 24V/50-60Hz (UL) • 100V/50-60Hz 115-120V/60Hz • 200V/50-60Hz 220-230V/50Hz - 208-240V/60Hz (UL) 220-240V/50Hz (UL) • (+10% -15%)

Port size ISO 228	Orifice size (mm)	Δp min	Differential pressure (bar)				Kv (m ³ /h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)
			Δp max					Valve	Coil	AC (VA)		DC (W)			
			Gases		Liquids					Inrush	Holding				
G 1/4	3,2	0	AC	DC	AC	DC	0,3	L321D01C	ZA10X	23	14	-	EPDM	-	0,310
			-	3	-	3			ZA10B	-	-	10			
			3	-	3	-		L321V01C	ZA10X	23	14	-	FPM		
			-	3	-	3			ZA10B	-	-	10			

Notes

- Sealings : EPDM=Ethylene-propylene elastomer
- Upper exhaust (3) with seat diameter 2,3 mm

Spare Parts



Kit description	Model	Kit P.N.	Consisting of:
Core kit	L321D01	G3038401	Core pos. 2
	L321V01	G3038404	
Core return spring kit		G3065701	N.10 core return spring pos. 3
OR guide assembly kit	L321D01	GU2446000017	N.10 OR guide assembly pos. 4
	L321V01	GU2424000017	
Guide assembly		297779-001R	Guide assembly pos. 5
Coil		ZA10A ZA10G ZA10X ZA10B	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