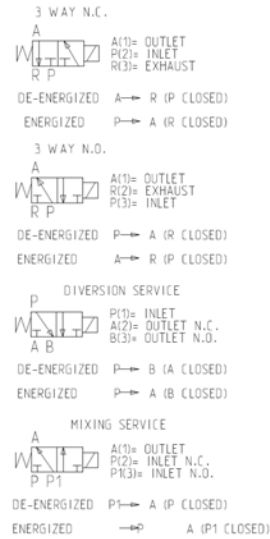
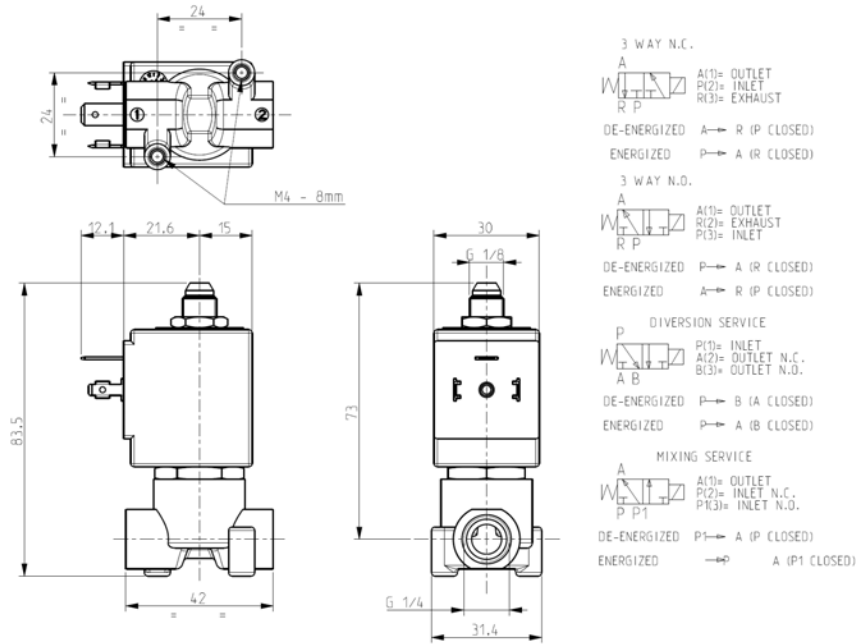




**SOLENOID VALVE**  
**3/2 - NC - NO - U (Universal service)**  
**Direct acting**  
**G 1/4**

**L321**



► **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)  
 Max viscosity                                5°E (~37 cStokes or mm<sup>2</sup>/s)

► **MATERIALS IN CONTACT WITH FLUID**

Body	Brass
Sealing	NBR or FPM
Internal components	Stainless steel
Seat	Brass
Guide assembly	Stainless steel
Shading ring	Copper

► **COIL**

Continuous duty	ED 100%
Encapsulation material	PPS (Polyphenilsulfure) fiberglass reinforced
Coil insulation class	F (155°C) on request class H (180°C) – UL (see ZA34)
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)	Δp min	Differential pressure (bar)				Kv (m <sup>3</sup> /h)	Series and type		Power absorption			Sealings	Function Notes	Weight (kg)
			Δp max					Valve	Coil	AC (VA)		DC (W)			
			Gases		Liquids					Inrush	Holding				
			AC	DC	AC	DC									
G 1/4	2,3	0	8	-	8	-	0,14	L321B02C	ZA10A	23	14	-	NBR	NC - 1	0,300
			-	8	-	8			ZA10G	-	-	12		NC	
			8	-	8	-		L321V02C	ZA10A	23	14	-	FPM	NC - 1	
			-	8	-	8			ZA10G	-	-	12		NC	
			8	-	8	-		L321B02A	ZA10A	23	14	-	NBR	NO - 1-2	
			-	8	-	8			ZA10G	-	-	12		NO - 2	
			5	-	5	-		L321V02G	ZA10A	23	14	-	FPM	U - 1	
			-	5	-	5			ZA10G	-	-	12		U	

► **NOTES**

- Sealings : NBR = Nitrile-butylene elastomer    FPM = Fluoro-carbon elastomer
- NC: Normally closed    NO: Normally open    U: Universal
- IMQ CSV approval, see ZA10 datasheet for further details
- 1 - On request special coil ZA32A, class "F", with UL homologated windings – see overleaf.
- 2 - Model available on request only: ask for minimum quantity.

# L321

## ► SPECIAL COIL ZA32A

Continuous duty ED 100%

Encapsulation material PET (polyethylene terephthalate) fiberglass reinforced

Coil insulation class F (155°C)

Ambient temperature -10°C +50°C

Electric connections

Protection degree

Voltages AC

DIN 46340 - 3 poles connectors (EN175301-803)

IP 65 (EN 60529) with plug connector

24V/50-60Hz • 100V/50-60Hz • 115-120V/60Hz (UL)

200V/50-60Hz • 220-230V/50Hz • 208-240V/60Hz (UL) •  
220-240V/50Hz • (+10% -15%)

Port size ISO 228	Orifice size (mm)	Differential pressure (bar)				Kv (m <sup>3</sup> /h)	Series and type		Power absorption			Sealings	Function Notes	Weight (kg)	
		Δp min	Δp max				Valve	Coil	AC (VA)		DC (W)				
			Gases		Liquids				Inrush	Holding					
			AC	DC	AC										DC
G 1/4	2,3	0	8		8		L321B02C	ZA32A	23	14	-	NBR	NC	0,380	
			8	-	8	-									L321V02C
			8		8										L321B02A
			5		5										L321V02G

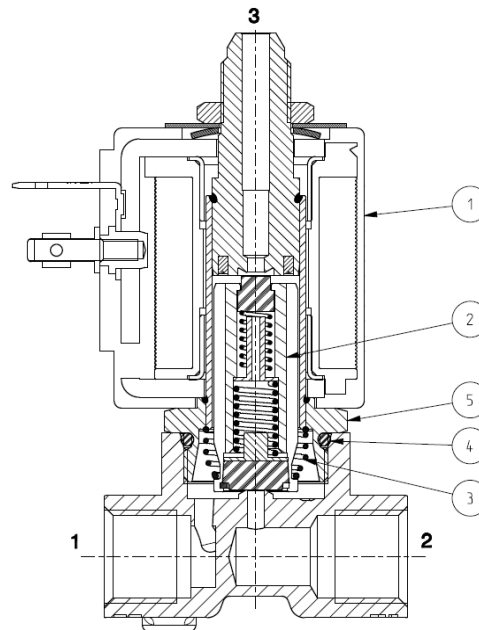
## ► NOTES

- Sealings : NBR = Nitrile-butylene elastomer FPM = Fluoro-carbon elastomer

- NC: Normally closed NO: Normally open U: Universal

1 - Model available on request only: ask for minimum quantity.

## ► SPARE PARTS



## Kit description

Core kit

L321B02C  
L321V02C  
L321B02A  
L321V02G

## Kit P.N.

G3038405  
G3038404  
G3064902  
G3065101

## Consisting of:

Core pos. 2  
Core return spring pos. 3  
OR guide assembly pos. 4

Core return spring kit

L321B-V02C  
L321B02A  
L321V02G

G3065701  
G3063601  
G3022401

N.10 core return spring pos. 3

OR guide assembly kit

L321B02C-A  
L321V02C-G

GU2421000017  
GU2424000017

N.10 OR guide assembly pos. 5

Guide pipe assembly

297779-001R

Guide pipe assembly pos. 5

Coil

ZA10A  
ZA10G  
ZA32A

Coil pos. 1

## ► MOUNTING

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