



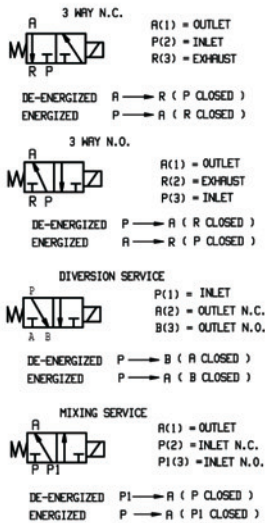
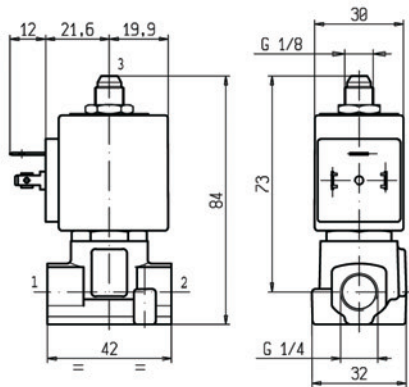
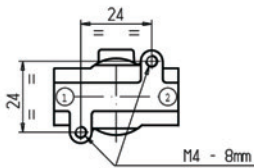
SOLENOID VALVE

3/2 - NC - NO - UF (Universal function)

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).
 Not suitable for use with dangerous fluids listed in Group 1, therefore they are free from CE marking in conformity with article 3 § 3 of the European Directive 97/23/EC (Pressure Equipment Directive).

► 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 mm²/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%
 Coil impregnation Polyester resin
 Encapsulation material PTB (polybutylene-terephthalate) fiberglass reinforced
 Coil insulation class F (155 °C) on request class H (180 °C) - UL
 Ambient temperature -10 °C +50 °C
 Electric connexions DIN 46340- 3 poles connectors (DIN 43650)
 Protection degree IP 65 (EN 60529) with plug connector
 Voltages DC ZA30E: 12-24V (+10% -5%)
 AC ZA30A: 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	Function Notes	Weight (kg)	
		Δp min	Δp max				Valve	Coil	AC (VA)		DC (W)				
			AC	DC	AC				DC	Inrush					Holding
G 1/4	2,3	0	8	-	8	-	0,14	L321B02C	ZA30A	23	14	-	NBR	NC - 1	0,380
			-	8	-	8			ZA30E	-	-	12		NC	
			8	-	8	-		L321V02C	ZA30A	23	14	-	FPM	NC - 1	
			-	8	-	8			ZA30E	-	-	12		NC	
			8	-	8	-		L321B02A	ZA30A	23	14	-	NBR	NO - 1	
			-	8	-	8			ZA30E	-	-	12		NO	
			5	-	5	-		L321B02G	ZA30A	23	14	-	NBR	UF - 1	
			-	5	-	5			ZA30E	-	-	12		UF	
			5	-	5	-		L321V02G	ZA30A	23	14	-	FPM	UF - 1	
			-	5	-	5			ZA30E	-	-	12		UF	

► NOTES

- Sealings : NBR = Nitrile-butylene elastomer FPM = Fluoro-carbon elastomer
 - NC: Normally closed NO: Normally open UF: Universal function
 1 - On request special coil ZA32A, class "F", with UL or VDE homologated windings - see overleaf.

L321

► SPECIAL COIL ZA32A

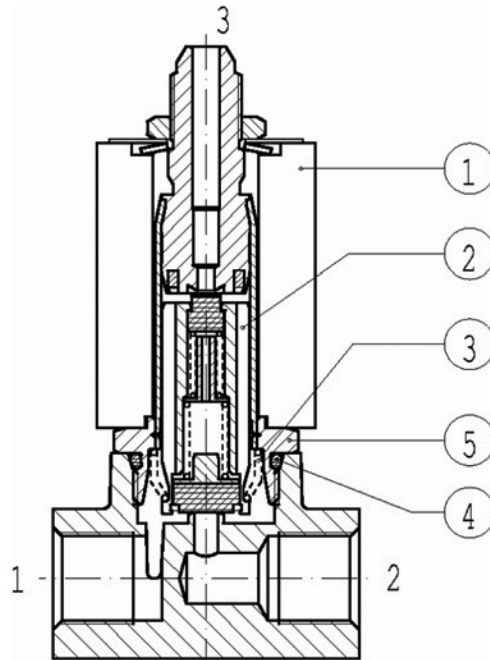
<i>Continuous duty</i>	ED 100%	<i>Ambient temperature</i>	DIN 46340- 3 poles connectors (DIN 43650)
<i>Coil impregnation</i>	Polyester resin	<i>Electric connenctions</i>	IP 65 (EN 60529) with plug connector
<i>Encapsulation material</i>	PTB (polybutylene-terephthalate) fiberglass reinforced	<i>Voltages</i>	AC 24V/50-60Hz (VDE) • 100V/50-60Hz • 115-120V/60Hz (UL) • 200V/50-60Hz • 220-230V/50Hz - 208-240V/60Hz (UL) • 220-240V/50Hz (VDE) • (+10% -15%)
<i>Coil insulation class</i>	F (155 °C)		
<i>Ambient temperature</i>	-10 °C +50 °C		

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		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	-	0,14	L321B02C	ZA32A	23	14	-	NBR	NC	0,380	
			8		8											L321V02C
			8		8											L321B02A
			5		5											L321B02G
			5		5											L321V02G

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► SPARE PARTS



Kit description

Core kit

L321B02C	G3065902
L321V02C	G3065901
L321B02A	G3064902
L321B02G	G3065102
L321V02G	G3065101

Core return spring kit

L321B-V02C	G3065701
L321B02A	G3063601
L321B-V02G	G3022401

OR guide assembly kit

L321B02C-A-G	GU2421000017
L321V02C-G	GU2424000017

Guide pipe assembly

3027601

Coil

ZA30A
ZA30E
ZA32A

Consisting of:

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

N.10 core return spring pos. 3

N.10 OR guide assembly pos. 5

Guide pipe assembly pos. 5

Coil pos. 1

► MOUNTING

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