

Solenoid valves 3/2-way direct-operated

Type EV310A





De-energized closed

Type EV310A NC for neutral liquids and gases DN 1.2 - 2.0 B

G 1/8 - G 1/

Features



- Very compact valves for industrial application, such as control
- For water, oil, compressed air and similar neutral media
- K, value up to 0.08 m³/h
- Differential pressure: Up to 20 bar
- Viscosity: Up to 20 cSt
- Ambient temperature: Up to +50°C
- Coil enclosure: Up to IP 65
- \bullet Thread connections: G $^{1}\!/_{8}$ and G $^{1}\!/_{4}$

Technical data

Installation	Optional, but vertical s	olenoid system is	recommended
Pressure range	0 to 20 bar		
Max. test pressure	50 bar		
Time to open and to close	7 - 10 ms (depending of	on the pressure)	
Ambient temperature	max. +50°C		
Medium temperature	FKM: -10° to +100° C		
Viscosity	max. 20 cSt		
Materials	Valve body: Valve orifice: Armature: Armature tube: Armature stop: Spring: O-rings/valve plate:	Brass, Stainless steel, Stainless steel, Stainless steel, Stainless steel, Stainless steel, EPDM or FKM	W.no. 1.4303 / AISI 305 W.no. 1.4016 / AISI 430

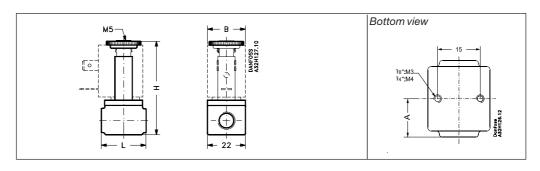
Coil options



Type AC: 7.0 W ac / 10 W dc See DKACV.PD.600.A



Type AM: 7.5 W ac / 9.5 W dc See DKACV.PD.600.A



Thread ISO 228/1	L	В [г	Н	Α	Weight	
130 220/1		Coil type AC Coil type AM				without coil
	[mm]	Coll type AC	Coll type Aivi	[mm]	[mm]	[kg]
G ¹ / ₈	26	22	32	54	13	0.085
G 1/4	35	22	32	59	17.5	0.110



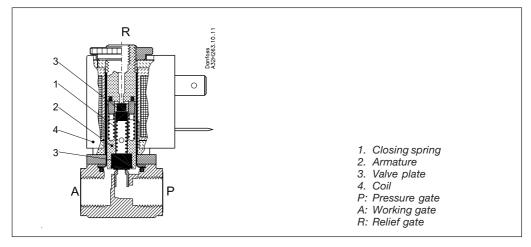
G 1/8 - G 1/4

Type EV310A NC for neutral liquids and gases DN 1.2 - 2.0 B

De-energized closed



Function



Coil voltage disconnected (closed):
When the voltage to the coil (4) is disconnected, the armature (2) with the valve plates (3) is pressed down by the closing spring (1) and closes the connection between P and A. At the same time, the connection between gates A and R is opened. The connection between P and A will be closed for as long as the voltage to the coil is disconnected.

Coil voltage connected (open):

When voltage is applied, the armature (2) with the valve plates (3) is lifted and closes the connection between A and R. At the same time, the connection between P and A is opened.

The connection between P and A will be open for as long as there is voltage to the coil.

Ordering - valve body

Conn.	Seal	Kv	DN	Media		Type desig		Code no.	Permissible differential pressure (bar) **						Suitable	
ISO 228/1	material *	value		Min.	Max.	Main type	Specification	without coil	Min Max. Water Oil Air					coil types		
		m³/h	mm	°C	°C					a.c.	d.c.	a.c.		a.c.	d.c.	
G 1/8	FKM	0.04	1.2	-10	+100	EV310A 1.2 B	G 18F NC000	032H8085	0	18	18	9	9	20	20	AC, AM
G 1/8	FKM	0.07	1.5	-10	+100	EV310A 1.5 B	G 18F NC000	032H8087	0	10	10	5	5	12	12	AC, AM
G 1/8	FKM	0.08	2.0	-10	+100	EV310A 2.0 B	G 18F NC000	032H8089	0	6.5	6.5	4	4	8	8	AC, AM
G 1/ ₄	FKM	0.04	1.2	-10	+100	EV310A 1.2 B	G 14F NC000	032H8095	0	18	18	9	9	20	20	AC, AM
G 1/4	FKM	0.07	1.5	-10	+100	EV310A 1.5 B	G 14F NC000	032H8097	0	10	10	5	5	12	12	AC, AM
G 1/4	FKM	0.08	2.0	-10	+100	EV310A 2.0 B	G 14F NC000	032H8099	0	6.5	6.5	4	4	8	8	AC, AM

^{*} For WRAS approved seal material in EPDM, please contact Danfoss.

Ordering - coils

^{**} The EV310A valve in de-energized closed version, is also available for higher differential pressure up to 28 bar. Please contact Danfoss.





De-energized open

Type EV310A NO for neutral liquids and gases DN 1.2 - 1.5 B

G 1/8 - G 1/

Features



- Very compact valves for industrial application, such as control
- For water, oil, compressed air and similar neutral media
- K, values up to 0.07 m³/h
- Differential pressure: Up to 13 bar
- Viscosity: Up to 20 cSt
- Ambient temperature: Up to +50°C
- Coil enclosure: Up to IP 65
- \bullet Thread connections: G $^{1}\!/_{8}$ and G $^{1}\!/_{4}$

Technical data

Installation	Optional, but vertical	solenoid system is	recommended
Pressure range	0 to 13 bar		
Max. test pressure	50 bar		
Time to open and to close	7 - 10 ms (depending	on the pressure)	
Ambient temperature	max. +50°C		
Medium temperature	FKM: -10° to +100°	C	
Viscosity	max. 20 cSt		
Materials	Valve body: Valve orifice: Armature: Armature tube: Armature stop: Spring: Other parts: O-rings/valve plate:	Brass, Stainless steel, Stainless steel, Stainless steel, Stainless steel, Stainless steel, EPDM or FKM	W.no. 1.4303 / AISI 305 W.no. 1.4016 / AISI 430 W.no. 1.4310 / AISI 301

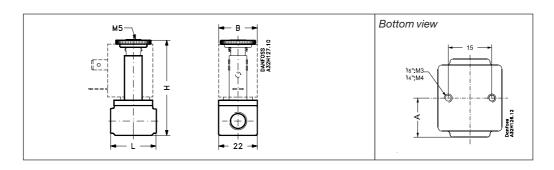
Coil options



Type AB: 4.5 W ac / 5 W dc Type AC: 7.0 W ac / 10 W dc See DKACV.PD.600.A



Type AK: 3 W dc Type AM: 7.5 W ac / 9.5 W dc See DKACV.PD.600.A



Thread	L	B [r	Н	Α	Weight	
ISO 228/1				without coil		
	[mm]	AB + AC	AM + AK	[mm]	[mm]	[kg]
G 1/8	26	22	32	54	13	0.085
G 1/4	35	22	32	59	17.5	0.110



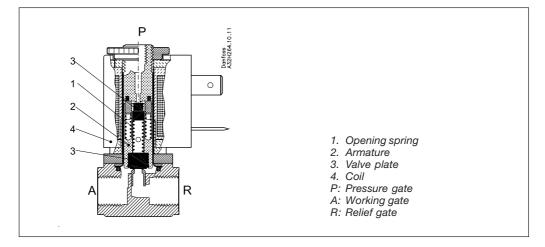
G 1/8 - G 1/4

Type EV310A NO for neutral liquids and gases DN 1.2 - 1.5 B

De-energized open



Function



Coil voltage disconnected (open):
When the voltage is disconnected, the armature (2) with the valve plates (3) is pressed down by the opening spring (1) and closes the connection between A and R. At the same time, the connection between P and A is open. The connection between P and A will be open for as long as the voltage to the coil is disconnected.

Coil voltage connected (closed):
When voltage is applied to the coil (4), the armature (2) with the valve plates (3) is lifted and closes the connection between P and A. At the same time, the connection between gates A and R is opened. The connection between P and A will be closed for as long as there is voltage to the coil.

Ordering - valve body

Conn.	Seal	Kv-	DN	Media		Type desi		Code no.	Permissib	le diffe	rentia	l pres	sure (b	ar)		
ISO 228/1	material *	value		Min.	Max.	Main type	Specification	coil	without coil Min. Max. Water Oil Air		r	Suitable coil				
		m³/h	mm	°C	℃					a.c.	d.c.	a.c.	d.c.	a.c.	d.c.	type
G 1/8	FKM	0.04	1.2	-10	+100	EV310A 1.2 B	G 18F NO000	032H8125	0	6 9 13	4 7 9 4	6 9 13	4 7 9 4	6 9 13	4 7 9 4	AB AC AM AK
G 1/8	FKM	0.07	1.5	-10	+100	EV310A 1.5 B	G 18F NO000	032H8127	0	3 5 7	2 3.5 5 2	3 5 7	2 3.5 5 2	3 5 7	2 3.5 5 2	AB AC AM AK
G 1/4	FKM	0.04	1.2	-10	+100	EV310A 1.2 B	G 14F NO000	032H8133	0	6 9 13	4 7 9 4	6 9 13	4 7 9 4	6 9 13	4 7 9 4	AB AC AM AK
G 1/ ₄	FKM	0.07	1.5	-10	+100	EV310A 1.5 B	G 14F NO000	032H8135	0	3 5 7	2 3.5 5 2	3 5 7	2 3.5 5 2	3 5 7	2 3.5 5 2	AB AC AM AK

Ordering - coils







De-energized closed

Type EV310A NC Man for neutral liquids and gases DN 1.2 - 2.0 B

Features



- · Very compact valves for industrial application, such as control
- With manual override
- For water, oil, compressed air and similar neutral media
- K, value up to 0.08 m³/h
- Differential pressure: Up to 20 bar
 Viscosity: Up to 20 cSt
- Ambient temperature: Up to +50°C
- Coil enclosure: Up to IP 65
- Thread connections: G 1/8 and G 1/4

Technical data

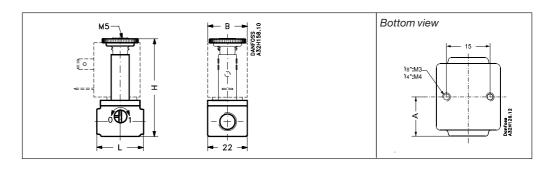
Installation	Optional, but vertical	solenoid system i	s recommended					
Pressure range	0 to 20 bar							
Max. test pressure	50 bar							
Time to open and to close	7 - 10 ms (depending	g on the pressure)						
Ambient temperature	max. +50°C							
Medium temperature	FKM: -10° to +100 °C							
Viscosity	max. 20 cSt							
Materials	Valve body: Valve orifice: Armature: Armature tube: Armature stop: Spring: Other parts: O-rings/valve plate:	Brass, Stainless steel, Stainless steel, Stainless steel, Stainless steel, Stainless steel, Stainless steel, EPDM or FKM	W.no. 2.0401 W.no. 1.4305 / AISI 303 W.no. 1.4016 / AISI 430 W.no. 1.4303 / AISI 305 W.no. 1.4016 / AISI 430 W.no. 1.4310 / AISI 301 W.no. 1.4104 / AISI 430F					

Coil options





Type AM: 7.5 W ac / 9.5 W dc See DKACV.PD.600.A



Thread ISO 228/1	L	B [r	nm]	Н	Α	Weight without coil		
130 220/1	[mm]	Coil types AC	oil types AC Coil type AM					
G ¹ / ₈	26	22	32	54	13	[kg] 0.085		
G 1/4	35	22	32	59	17.5	0.110		



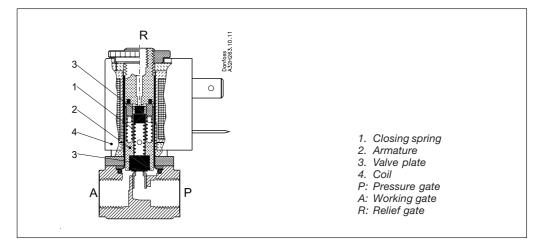
G 1/8 - G 1/4

Type EV310A Man for neutral liquids and gases DN 1.2 - 2.0 B

De-energized closed



Function



Coil voltage disconnected (closed):
When the voltage to the coil (4) is disconnected, the armature (2) with the valve plates (3) is pressed down by the closing spring (1) and closes the connection between P and A. At the same time, the connection between gates A and R is opened. The connection between P and A will be closed for as long as the voltage to the coil is disconnected. The valve can be opened using an opening screw in the valve body.

Coil voltage connected (open):

When voltage is applied, the armature (2) with the valve plates (3) is lifted and closes the connection between A and R. At the same time, the connection between P and A is opened.

The connection between P and A will be open for as long as there is voltage to the coil.

Ordering - valve body

Conn.	Seal material		DN	Media Min.	temp Max.	Type desig	nation * Specification	Code no.	Permissi	Permissible differential pressure (bar)						Suitable
228/1						3,1		coil	Min.	Max. Water Oil Air			types			
		m³/h	mm	°C	°C					a.c.	d.c.	a.c.	d.c.	a.c.	d.c.	
G 1/8	FKM	0.04	1.2	-10	+100	EV310A 1.2 B	G 18F NC040	032H8141	0	18	18	9	9	20	20	AC, AM
G 1/8	FKM	0.07	1.5	-10	+100	EV310A 1.5 B	G 18F NC040	032H8143	0	10	10	5	5	12	12	AC, AM
G 1/8	FKM	0.08	2.0	-10	+100	EV310A 2.0 B	G 18F NC040	032H8145	0	6.5	6.5	4	4	8	8	AC, AM
G 1/ ₄	FKM	0.04	1.2	-10	+100	EV310A 1.2 B	G 14F NC040	032H8151	0	18	18	9	9	20	20	AC, AM
G 1/4	FKM	0.07	1.5	-10	+100	EV310A 1.5 B	G 14F NC040	032H8153	0	10	10	5	5	12	12	AC, AM
G 1/ ₄	FKM	0.08	2.0	-10	+100	EV310A 2.0 B	G 14F NC040	032H8155	0	6.5	6.5	4	4	8	8	AC, AM

^{*} The EV310A with manual override, is also available in de-energized open version, please contact Danfoss for details.

Ordering - coils





De-energized closed

Type EV310A NC SS for neutral and aggressive liquids and gases DN 1.2 - 2.0 SS (stainless steel body)



- Very compact valves for industrial application, such as control.
- For neutral and aggressive liquids and gases. Contact Danfoss if you are in doubt about the valve's suitability for the medium in question.
- Differential pressure: Up to 20 barViscosity: Up to 20 cSt
- Ambient temperature: Up to +50°C
- Coil enclosure: Up to IP 65
- Thread connections: G 1/8 and G 1/4

Technical data

Installation	Optional, but vertical solenoid system is recommended
Pressure range	0 to 20 bar
Max. test pressure	50 bar
Time to open and to close	7 - 10 ms (depending on the pressure)
Ambient temperature	max. +50°C
Medium temperature	FKM: -10 to + 100° C
Viscosity	max. 20 cSt
Materials	Valve body: Stainless steel, W.no. 1.4305 / AISI 303 Valve orifice: Stainless steel, W.no. 1.4305 / AISI 303 Armature: Stainless steel, W.no. 1.4016 / AISI 430 Armature tube: Stainless steel, W.no. 1.4016 / AISI 305 Armature tube stop: Stainless steel, W.no. 1.4016 / AISI 305 Spring: Stainless steel, W.no. 1.4310 / AISI 301 Other parts: Stainless steel, W.no. 1.4104 / AISI 430F O-rings/valve plate: EPDM or FKM

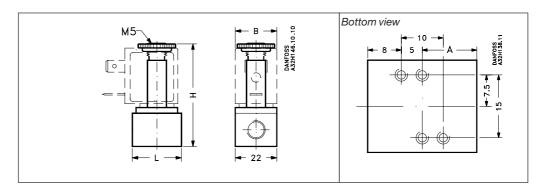
Coil options



Type AC: 7.0 W ac / 10 W dc See DKACV.PD.600.A



Type AM: 7.5 W ac / 9.5 W dc See DKACV.PD.600.A



Thread	L	B [n	Н	Α	Weight	
ISO 228/1	f 1	Coil type AC	Coil type AM	f 1		without coil
	[mm]	71	[mm]	[mm]	[kg]	
G ¹ / ₈	26	22	32	54	13	0.085
G 1/4	35	22	32	59	17.5	0.110

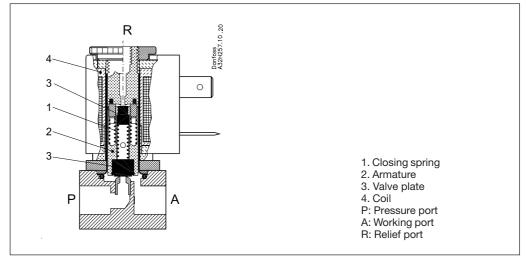


G ¹/₈ G ¹/₄ Type EV310A NC SS for neutral and aggressive liquids and gases DN 1.2 - 2.0 SS (stainless steel body)

De-energized closed



Function



Coil voltage disconnected (closed):
When the voltage to the coil (4) is disconnected, the armature (2) with the valve plates (3) is pressed down by the closing spring (1) and closes the connection between P and A. At the same time, the connection between ports A and R is opened. The connection between P and A will be closed for as long as the voltage to the coil is disconnected.

Coil voltage connected (open):

When voltage is applied, the armature (2) with the valve plates (3) is lifted and closes the connection between A and R. At the same time, the connection between P and A is opened.

The connection between P and A will be open for as long as there is voltage to the coil.

Ordering - valve body

valves for low differential pressure

Conn. ISO	Seal material	Kv	DN	Media Min.	temp Max.	Type desig	nation Specification	Code no.	Permissib	Permissible differential pressure (bar)						Suitable coil
228/1	*					j.,	•	coil	Min.	Max.						types
										Wa	ter	0	il	Α	ir	
		m³/h	mm	°C	°C					a.c.	d.c.	a.c.	d.c.	a.c.	d.c.	
G 1/8	FKM	0.04	7.2	-10	+100	EV310A 1.2 SS	G 18F NC000	032H8105	0	18	18	9	9	20	20	AC, AM
G 1/8	FKM	0.07	7.5	-10	+100	EV310A 1.5 SS	G 18F NC000	032H8107	0	10	10	5	5	12	12	AC, AM
G 1/8	FKM	0.08	2.0	-10	+100	EV310A 2.0 SS	G 18F NC000	032H8109	0	6.5	6.5	4	4	8	8	AC, AM
G 1/ ₄	FKM	0.04	7.2	-10	+100	EV310A 1.2 SS	G 14F NC000	032H8115	0	18	18	9	9	20	20	AC, AM
G 1/4	FKM	0.07	7.5	-10	+100	EV310A 1.5 SS	G 14F NC000	032H8117	0	10	10	5	5	12	12	AC, AM
G 1/ ₄	FKM	0.08	2.0	-10	+100	EV310A 2.0 SS	G 14F NC000	032H8119	0	6.5	6.5	4	4	8	8	AC, AM

^{*} For WRAS approved seal material in EPDM, please contact Danfoss.

Ordering - coils





De-energized closed

Type EV310A NC FL for neutral liquids and gases DN 1.2 - 1.5 B

Flange $22 \times 22 \text{ mm}$

Features



- Very compact valves for industrial application, such as control
- For water, oil, compressed air and similar neutral media
- Flow range for water: Up to 0.25 m³/h
 Differential pressure: Up to 20 bar
 Viscosity: Up to 20 cSt

- Ambient temperature: Up to +50°C
- Coil enclosure: Up to IP 65
- Flange connection: 22 × 22 mm

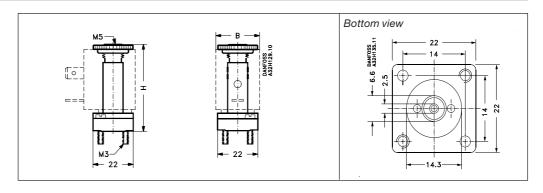
Technical data

Installation	Optional, but vertical s	olenoid system is recommended			
Pressure range	0 to 20 bar				
Max. test pressure	50 bar				
Time to open and to close	7 - 10 ms (depending on the pressure)				
Ambient temperature	Max. +50°C				
Medium temperature	FKM: - 10° to + 100°C				
Viscosity	max. 20 cSt				
Materials	Valve body: Armature: Armature tube: Armature tube stop: Spring extensions: Spring: O-rings/valve plate:	Brass, W.no. 2.0401 Stainless steel, W.no. 1.4016 / AISI 430 Stainless steel, W.no. 1.4303 / AISI 305 Stainless steel, W.no. 1.4016 / AISI 430 Stainless steel, W.no. 1.4104 / AISI 430F Stainless steel, W.no. 1.4310 / AISI 301 FKM			

Coil options



Dimensions and weight



Flange	B [r	Н	Weight		
[mm]	Coil type AC	Coil type AM	[mm]	without coil [kg]	
22 × 22	22	32	44.5	0.050	

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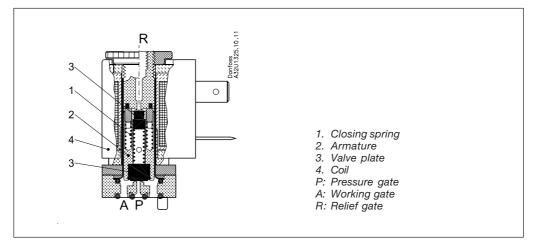


Flange 22×22 mm Type EV310A NC FL for neutral liquids and gases DN 1.2 - 1.5 B

De-energized closed



Function



Coil voltage disconnected (closed):
When the voltage to the coil (4) is disconnected, the armature (2) with the valve plates (3) is pressed down by the closing spring (1) and closes the connection between P and A. At the same time, the connection between gates A and R is opened. The connection between P and A will be closed for as long as the voltage to the coil is disconnected.

Coil voltage connected (open):

When voltage is applied, the armature (2) with the valve plates (3) is lifted and closes the connection between A and R. At the same time, the connection between P and A is opened.

The connection between P and A will be open for as long as there is voltage to the coil.

Ordering - valve body

Conn.	Seal	K _v -	DN	Me	dia			Code no.	Per	missible diff. pressure (bar)						
ISO	material	value		temp.		Type designation		temp. Type designation		without	Min.	Max.				Suitable
228/1				Min.	Max.			coil		Wa	ter		Dil	Α	ir	coil
		[m ³ /h]	mm	[°C]	[°C]	Main type	Specification			ac	dc	ac	dc	ac	dc	types
22 x 22	FKM	0.05	1.2	-10	+100	EV310A 1.2 B	FL 22F NC000	032H8173	0	18	18	9	9	20	20	AC, AM
22 x 22	FKM)	0.08	1.5	-10	+100	EV310A 1.5 B	FL 22F NC000	032H8175	0	10	10	5	5	12	12	AC, AM

Ordering - coils

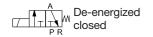
See separate data sheet for coils DKACV.PD.600.A

Base plate

See page 16 and 17







Type EV310A NC FL for neutral liquids and gases DN 1.2 - 1.5 B

Flange 32 × 32 mm

Features



- Very compact valves for industrial application, such as control
- For water, oil, compressed air and similar neutral media
- Flow range for water: Up to 0.22 m³/h
- Differential pressure: Up to 20 bar
- Viscosity: Up to 20 cSt
- Ambient temperature: Up to +50°C
- Coil enclosure: Up to IP 65
- Flange connection: 32 × 32 mm

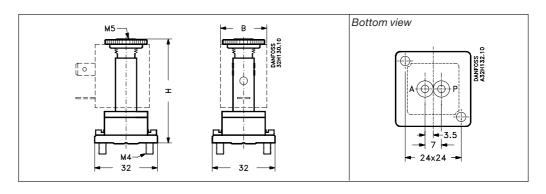
Technical data

Installation	Optional, but vertical solenoid system is recommended						
Pressure range	0 to 20 bar	0 to 20 bar					
Max. test pressure	50 bar						
Time to open and to close	7 - 10 ms (depending on the pressure)						
Ambient temperature	max. +50°C						
Medum temperature	FKM: -10° to +100°C						
Viscosity	max. 20 cSt						
Materials	Valve body: Valve orifice: Armature: Armature tube: Armature stop: Spring: Spring: Spring extension: O-rings/valve plate:	Brass, Stainless steel, Stainless steel, Stainless steel, Stainless steel, Stainless steel, Stainless steel, FKM	W.no. 1.4016 / AISI 430 W.no. 1.4303 / AISI 305 W.no. 1.4016 / AISI 430 W.no. 1.4310 / AISI 301				

Coil options







Flange	B [r	Н	Weight	
[mm]	Coil type AC	Coil type AM	[mm]	without coil [kg]
32 × 32	22	32	50.5	0.085



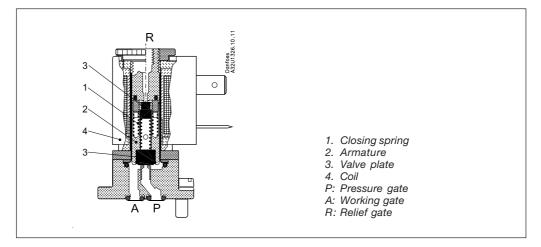
Flange 32 × 32 mm

Type EV310A NC FL for neutral liquids and gases DN 1.2 - 1.5 B

De-energized closed



Function



Coil voltage disconnected (closed):
When the voltage to the coil (4) is disconnected, the armature (2) with the valve plates (3) is pressed down by the closing spring (1) and closes the connection between P and A. At the same time, the connection between gates A and R is opened. The connection between P and A will be closed for as long as the voltage to the coil is disconnected.

Coil voltage connected (open):

When voltage is applied, the armature (2) with the valve plates (3) is lifted and closes the connection between A and R. At the same time, the connection between P and A is opened.

The connection between P and A will be open for as long as there is voltage to the coil.

Ordering - valve body

Conn.	Seal	K,-	DN	Ме	edia			Code no.	Permissible diff. pressure (bar)									
ISO	material	value			np.	Type designation		, ,, ,		without	Min.		Max.					Suitable
228/1				Min.	Max.	Main type	Specification	coil		Wa	iter	C	Dil	Ι.	Air	coil		
		m³/h	mm	℃	°C					ac	dc	ac	dc	ac	dc	types		
32 x 32	FKM	0.05	1.2	-10	+100	EV310A 1.2 B	FL 32F NC000	032H8181	0	18	18	9	9	20	20	AC, AM		
32 x 32	FKM	0.07	1.5	-10	+100	EV310A 1.5 B	FL 32F NC000	032H8183	0	10	10	5	5	12	12	AC, AM		

Ordering - coils

See separate data sheet for coils DKACV.PD.600.A

Base plate

See page 16 and 17







De-energized closed

Type EV310A FL NC Man for neutral liquids and gases DN 1.2 - 1.5 B

Flange 32 × 32

Features

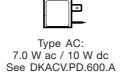


- Very compact valves for industrial application, such as control
- With manual override
- For water, oil, compressed air and similar neutral media
- Flow range for water: Up to 0.25 m³/h
- Differential pressure: Up to 20 bar
- Viscosity: Up to 20 cSt
- Ambient temperature: Up to +50°C
- Coil enclosure: Up to IP 65
- Flange connection: 32 × 32 mm

Technical data

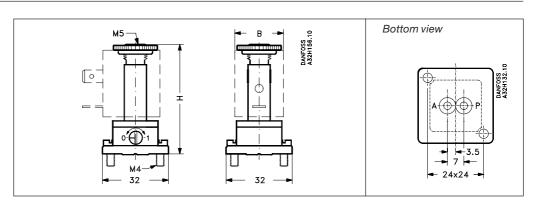
Installation	Optional, but vertical s	Optional, but vertical solenoid system is recommended					
Pressure range	0 to 20 bar						
Max. test pressure	50 bar						
Time to open and to close	7 - 10 ms (depending on the pressure)						
Ambient temperature	max. +50°C						
Medium temperature	FKM: -10° to +100°C						
Viscosity	max. 20 cSt						
Materials	Valve body: Valve orifice: Armature: Armature tube: Armature stop: Spring: Spring extension: O-rings/valve plate:	Brass, W.no. 2.0401 Stainless steel, W.no. 1.4305 / AISI 303 Stainless steel, W.no. 1.4016 / AISI 430 Stainless steel, W.no. 1.4303 / AISI 305 Stainless steel, W.no. 1.4016 / AISI 430 Stainless steel, W.no. 1.4310 / AISI 301 Stainless steel, W.no. 1.4104 / AISI 430F FKM					

Coil options





Type AM: 7.5 W ac / 9.5 W dc See DKACV.PD.600.A



Flange	L	Br	Н	Weight	
mm	mm]	Coil type AC	Coil type AM	mm	without coil kg
32 x 32	32	22	32	69	0.085



Flange 32×32

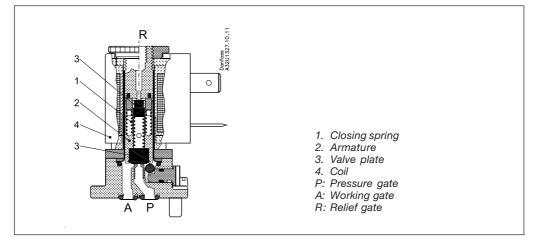
Type EV310A FL NC Man for neutral liquids and gases DN 1.2 - 1.5 B

De-energized closed



with manual overrid

Function



Coil voltage disconnected (closed):
When the voltage to the coil (4) is disconnected, the armature (2) with the valve plates (3) is pressed down by the closing spring (1) and closes the connection between P and A. At the same time, the connection between gates A and R is opened. The connection between P and A will be closed for as long as the voltage to the coil is disconnected. The valve can be opened using an opening screw in the valve body.

Coil voltage connected (open):

When voltage is applied, the armature (2) with the valve plates (3) is lifted and closes the connection between A and R. At the same time, the connection between P and A is opened.

The connection between P and A will be open for as long as there is voltage to the coil.

Ordering - valve body

Conn.	Seal	K _v -	DN	Me	edia			Code no.	Permissible diff. pressure (bar)								
ISO	material	value		ten		Type designation		Type designation		without	Min.	Max.					Suitable
228/1				Min.	Max.			coil		Wa ⁻	ter	0	il	Ai	r	coil	
		m³/h	mm	℃	°C	Main type	Specification			ac	dc	ac	dc	ac	dc	types	
32 x 32	FKM	0.05	1.2	-10	+100	EV310A 1.2 B	FL 32F NC040	032H8189	0	18	18	9	9	20	20	AC, AM	
32 x 32	FKM	0.08	1.5	-10	+100	EV310A 1.5 B	FL 32F NC040	032H8191	0	10	10	5	5	12	12	AC, AM	

Ordering - coils

See separate data sheet for coils DKACV.PD.600.A

Base plate

See page 16 and 17





Single base or manifold

with 22 × 22 mm flange for neutral liquids and gases

A gates: M5 P gate: G 1/8

Features

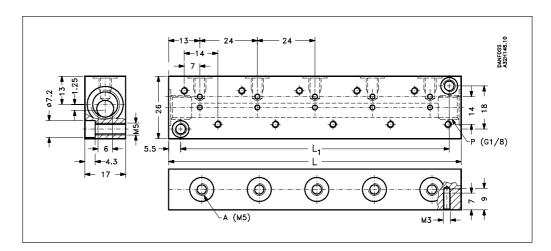


The base plates are an ideal solution to build up compact EV310A valve groups with a common supply.

The brass base plates have a full-length P-drilling to supply up to 6 EV310A valves. Likewise, the base plates have up to 6 A gates. The connection from the common P-drilling to each A gate is controlled by a EV310A valve mounted on the base plate's 22 × 22 mm flange counterpart above the A gate.

The common P gate has a G $^{1}/_{8}$ thread. The A gates have M5 threads.

Dimensions



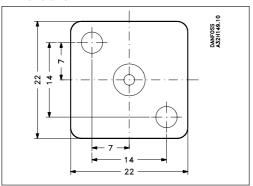
Possible no. of EV310A FL valves	P gate: ISO 228/1	A gates: Thread	L [mm]	L1 [mm]
1	G ¹ /8	M 5	26	15
2	G ¹ /8	M 5	50	39
3	G ¹ /8	M 5	74	63
4	G ¹ /8	M 5	98	87
5	G ¹ /8	M 5	122	111
6	G ¹ / ₈	M 5	146	135

Ordering, base plate

Please contact Danfoss

Cover plate





Ordering

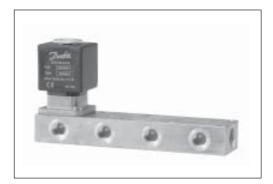
Description	Code no.
Cover plate to 22 × 22 flange connection including O-rings and mounting screws	032H8250



A gates: $G^{1}/_{8}$ P gate: $G^{1}/_{4}$ with 32 × 32 mm flange for neutral liquids and gases

Single base or manifold

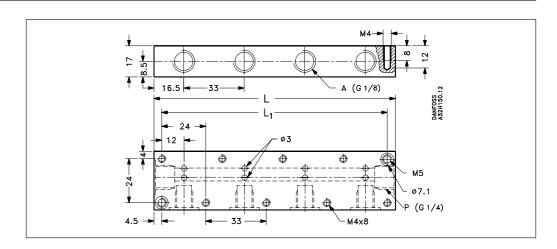
Features



The base plates are an ideal solution to build up compact EV310A FL valve groups with a common supply.

The brass base plates have a full-length P-drilling to supply up to 6 valves. Likewise, the base plates have up to 6 A gates. The connection from the common P-drilling to each A gate is controlled by an EV310A valve mounted on the base plate's 32 \times 32 mm flange counterpart above the A gate. The common P gate has a G $^{1}\!/_{_{4}}$ thread. The A gates have G $^{1}\!/_{_{8}}$ threads.

Dimensions



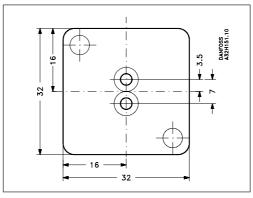
Possible no. of valves	P gate: ISO 228/1	A gates: ISO 228/1	L [mm]	L1 [mm]
1	G ¹ / ₄	G ¹ / ₈	35	24
2	G ¹ / ₄	68	57	
3	G ¹ / ₄	G ¹ / ₈	101	90
4	G ¹ / ₄	G ¹ / ₈	134	123
5	5 G ¹ / ₄ G ¹ / ₈ 167		167	156
6	G ¹ / ₄	G ¹ / ₈	200	189

Ordering, base plate

Please contact Danfoss

Cover plate

Dimensions



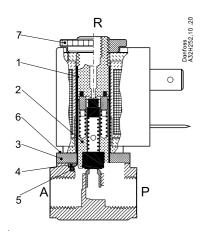
Ordering

Description	Code no.
Cover plate to 32 × 32 flange connection including O-rings and mounting screws	032H8251



Type EV310A FL NC Man for neutral liquids and gases Spare parts

NC - NC/FL



1	Armature	tubo

2. Armature with valve plate and

springs Flange

3. Disk

4. 5. 6. O-ring
2 screws for connecting tube to valve body

Nut

7. P: A: R: Pressure port
Application port
Relief port

EV310A NC-NC/FL	Seal material	Code no.
1.2	FKM	042U1470
1.2	EPDM	042U1471
1.5	FKM	042U1474
	EPDM	042U1475
2.0	FKM	042U1476
	EPDM	042U1477

EV310A NO	Seal material	Code no.
1.2	FKM	042U1472
1.2	EPDM	042U1473
1.5	FKM	042U1478
	EPDM	042U1479



Type EV310A FL NC Man for neutral liquids and gases Spare parts

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Type EV310A FL NC Man for neutral liquids and gases Spare parts

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