

26230, 80107 NAMUR & INLINE, 3/2 & 5/2

indirectly electromagnetically actuated piston spool valves

- Port: G 1/4, NAMUR interface
- For single and double-acting actuators
- Manual override with detent standard
- Proven design of the piston valve soft seal system
- Variable valve/solenoid combination
- Service-friendly and maintenance-free



Technical features

Medium:
Filtered, lubricated or non-lubricated
Air
Compressed air

Actuation
3/2, 5/2 and 5/3-way piston slide valves indirectly operated electromagnetically

Operating pressure:
2 ... 8 bar (29 ... 116 psi)
1 ... 10 bar (14,5 ... 145 psi)

Orifice:
6 mm (G1/4), 12 mm (G1/2)

Port size:
G1/4 NAMUR, G1/4, G1/2

Installation position:
Any, preferably magnet vertical

Flow direction:
Fixed

Fluid/Ambient temperature:
-10 ... +50°C (14 ... 122°F)
(see solenoid table)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (35°F).

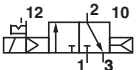
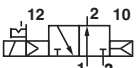
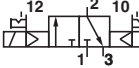
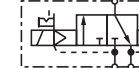
Materials:
Housing: Aluminium
Pilot flange: plastic
Seal: NBR

Additional models:
Upon request

Flow conversion:
Cv US gallon/min (water) =
l/min (air) x 0.001
Kv m³/h (water) =
l/min (air) x 0.000906

Technical data

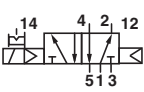
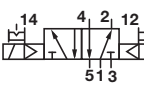
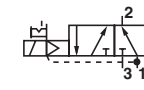
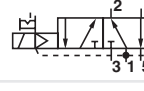
3/2 way valve

Symbol	Port size	Actuation/return	Operating pressure (bar)	Flow (l/min)	Weight (kg)	Dimensions No.	Solenoid group	Model *1)
	G1/4	Solenoid/air spring	1 ... 10	1325	0,4	1	B	8010750 *2)
	G1/4	Solenoid/air spring	2 ... 8	1325	0,4	1	A	8010751 *2)
	G1/2	Solenoid/air spring	1,5 ... 10	3300	0,7	2	B	8010850 *2)
	G1/2	Solenoid/air spring	2 ... 8	3300	0,7	2	A	8010851 *2)
	G1/4	Solenoid/air spring	1 ... 10	1325	0,4	1	B	8012750 *2)
	G1/2	Solenoid/air spring	1,5 ... 10	3300	0,7	2	B	8012850 *2)
	G1/4	Solenoid/Solenoid	1 ... 10	1325	0,77	3	B	8011750
	G 1/4 NAMUR	Solenoid/air spring	2 ... 8	1325	0,4	4	A	8010777 *2)

*1) When ordering please indicate solenoid, voltage and current type (frequency).

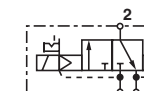
*2) Port 3 cannot be throttled

5/2-way

Symbol	Port size	Actuation/return	Operating pressure (bar)	Flow (l/min)	Weight (kg)	Dimensions No.	Solenoid group	Model *1)
	G1/4	Solenoid/air spring	1 ... 10	1325	0,4	5	B	2623000 *2)
	G1/4	Solenoid/air spring	2 ... 8	1325	0,4	5	A	2623001 *2)
	G1/2	Solenoid/air spring	2 ... 10	3300	0,7	6	B	2623500 *2)
	G1/2	Solenoid/air spring	2 ... 8	3300	0,7	6	A	2623501 *2)
	G1/4	Solenoid/Solenoid	1 ... 10	1325	0,4	7	B	2623100
	G1/4	Solenoid/Solenoid	2 ... 8	1325	0,4	7	A	2623101
	G1/2	Solenoid/Solenoid	2 ... 10	3300	0,7	8	B	2623600
	G1/2	Solenoid/Solenoid	2 ... 8	3300	0,7	8	A	2623601
	G 1/4 NAMUR	Solenoid/air spring	2 ... 8	1325	0,55	9	A	2623077 *2)
	G 1/4 NAMUR	Solenoid/Solenoid	2 ... 8	1325	0,9	10	A	2623177

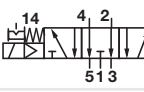
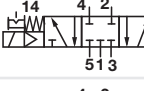
*1) When ordering please indicate solenoid, voltage and current type (frequency). *2) Port 5 cannot be throttled

3/2 or 5/2 way function (conversion instructions see page 9)

Symbol	Port size	Function	Actuation/return	Operating pressure (bar)	Flow (l/min)	Weight (kg)	Dimensions No.	Solenoids group	Model *1)
	G 1/4 NAMUR	3/2 & 5/2	Solenoid/Solenoid	2 ... 8	1325	0,4	11	A	2623079 *2)
	G 1/4 NAMUR	3/2 & 5/2	Solenoid/Solenoid	2 ... 8	1325	0,9	12	A	2623179

*1) When ordering please indicate solenoid, voltage and current type (frequency). *2) Port 3 cannot be throttled

5/3 position directional control valve

Symbol	Port size	Function	Actuation/return	Operating pressure (bar)	Flow (l/min)	Weight (kg)	Dimensions No.	Solenoids group	Model *1)
	G1/4	5/3 COE	Solenoid/Solenoid	3 ... 10	900	1,0	13	B	2623200
	G1/2	5/3 COE	Solenoid/Solenoid	2,5 ... 10	2200	1,6	14	B	2623700
	G1/4	5/3 APB	Solenoid/Solenoid	3 ... 10	900	1,0	13	B	2623300
	G1/2	5/3 APB	Solenoid/Solenoid	2,5 ... 10	2200	1,6	14	B	2623800
	G1/4	5/3 COP	Solenoid/Solenoid	3 ... 10	900	1,0	13	B	2623400

*1) When ordering please indicate solenoid, voltage and current type (frequency).

APB = All Ports Blocked, COE = Centre Open Exhaust, COP = Centre Open Pressure

Solenoids, group A

	Power consumption 24 V d.c. 230 V a.c.		Rated current 24 V d.c. 230 V a.c.		Protection IP/NEMA	Protection Class (ATEX- Category)	Temperature Fluid-/ Ambient tem- perature:	Electrical connection	Weight (kg)	Dimensions No.	Circuit diagram No.	Model
	(W)	(VA)	(m A)	(m A)								
	1,8	—	70	—	IP65 (with Connector)	—	-15 ... +50	Connector DIN EN 175301-803 Form B *1)	0,1	1	1	3050
	1,6	—	30	—	IP65 (with Connector)	—	-15 ... +50	Connector DIN EN 175301-803 Form A *1)	0,1	2	1	3036
	2,7	—	115	—	IP65 (with Connector)	II 2 G Ex mb IIC T5 Gb II 2 D Ex mb tb T95°C Db	-20 ... +50 *2)	Connection cable 3 m	0,3	3	2	3062
	—	2,1	—	9	IP65 (with Connector)	II 2 G Ex mb IIC T5 Gb II 2 D Ex mb tb T95°C Db	-20 ... +50 *2)	Connection cable 3 m	0,3	3	3	3063
	2,7	—	115	—	IP66 (with Connector)	—	-10 ... +50	Connector *1) M12x1, DIN IEC 1076- 2-101 Magnetic coil with yellow LED	0,1	4	4	3071

Standard voltages ($\pm 10\%$) 24 V DC, 230 V AC. Standard voltages ($\pm 10\%$) 24 V d.c., 230 V a.c., other voltages on request.

*1) Connectors not included in the scope of delivery, see accessories

*2) Maximum +40°C for battery installation

Approval Solenoid operator, solenoids group B

	Power consumption 24 V d.c. 230 V a.c.		Rated current 24 V d.c. 230 V a.c.		Protection IP/NEMA	Protection Class (ATEX- Category)	Temperature Fluid-/ Ambient tem- perature:	Electrical connection	Weight (kg)	Dimensions No.	Circuit diagram No.	Model
	(W)	(VA)	(m A)	(m A)								
	4,8	8,5	70	—	IP65 (with Connector)	—	-15 ... +50	Connector DIN EN 175301-803 Form B *1)	0,1	1	1	3052
	4,4	8,0	190	—	IP65 (with Connector)	—	-15 ... +50	Connector DIN EN 175301-803 Form A *1)	0,1	2	1	3030
	5,0	—	210	—	IP65 (with Connector)	II 2 G Ex mb IIC T4/T5 Gb II 2 G Ex mb IIC T4 Gb II 2 D Ex mb tb T130°C Db	-20 ... +50 *2)	Cable length 3m	0,3	3	3	3060
	—	5	—	22	IP65 (with Connector)	II 2 G Ex mb IIC T4 Gb II 2 D Ex mb tb T130°C Db	-20 ... +50 *2)	Cable length 3m	0,3	3	3	3061

Ex e mb IIC T4 Gb Ex tb IIIC T120°C Db I IP 65 (with cable gland) Standard voltages ($\pm 10\%$) 24 V d.c., 230 V a.c., other voltages on request.

*1) Connectors not included in the scope of delivery, see accessories *2) Maximum +40°C for battery installation

Approvals

Model	Approvals				Data sheet	
	ATEX	IECEX	FM	Inmetro certificate		
306x	PTB 03 ATEX 2015	—	—	Certificate DNV 15.0126	N/en 71.560	

Accessories

Connector Form A	M12 x 1		Silencer	Flange plate	Temple
					
			Page 10	Page 10	Page 10
0570275 (Form A)	0523057 (2 m cable)	0523058 (90°, 2 m cable)	M/S2 G 1/4	0612790 (NAMUR sub-base)	0540593
0680003 (Form B)	0523052 (5 m cable)	0523053 (90°, 5 m cable)	M/S4 G 1/2	0612791 (NAMUR rib in combination with 0612790, aluminium)	