

3/2, 4/2 and 5/2 Directional control valves
 Modular NAMUR design
 Actuation: electromagnetic
 Indirectly controlled spool valves
 Port size: G 1/4

For single and double operated actuators

Standard manual override with detent

Compact design

High flow rate

Simple design of soft spool seal system

Maintenance-free

Easily interchangeable solenoid system

Exhaust air recirculation

The solenoids are ATEX approved
 (see solenoids page 2)

Valves and solenoids are ATEX approved



Technical data

Medium:

Solenoid valve for filtered, lubricated *1)
 or non-lubricated air

Operation:

Solenoid, indirectly controlled

Flow direction:

Fixed

Mounting position:

Optional, preferably with solenoid on top

Nominal size:

6

Port size:

G 1/4

Electrical connection:

See solenoid table

Operating pressure:

2 to 8 bar

Temperature:

-10 ... 50°C

Please consult our technical service for use below +2°C. If installed
 in the open protect all connections against the penetration of moisture!

Materials:

Housing: Aluminium

Pilot flange: Plastic

Seat seal: NBR (Perbunan)

*1) Oil recommendation: Shell Hydrol DO 32, Esso Febis (as of July 1992) or comparable
 oils with DVI values < 8 (DIN 53521) and ISO viscosity class 32-46 (DIN 51519).

Ordering information

3/2 directional control valve, connection G 1/4,
 solenoid 24 V DC, protection class IP65

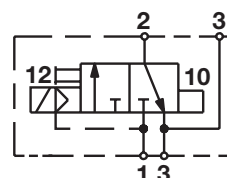
Part No.: 8010777.3036.024.00

Connector: 0570275

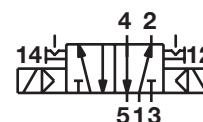
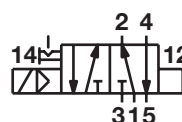
Connections

See data sheet N/UK 7.7.002

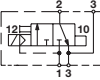


3/2



5/2

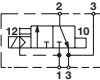



General information

Symbol	Type*	Port size		Actuation	Nominal size	Operating pressure (bar)	kv-value (Cv (US) ▼ kv x 1,2)	Weight (kg)	Dimensions Nr.
		1, 3 (5)	2 (4)						
	8010777	G 1/4	Flange	Solenoid indirectly controlled	6	2 ... 8	1,2	0,4	1
	2623077	G 1/4	Flange	Solenoid indirectly controlled	6	2 ... 8	1,2	0,55	2
	2623177	G 1/4	Flange	2 x Solenoid indirectly controlled	6	2 ... 8	1,2	0,9	3






* When ordering please indicate solenoid, voltage and current type (frequency).
Port 3 not throttleable.

3/2- or 5/2 way function (Conversion Instruction see page 6)

Symbol	Type*	Port size		Actuation	Nominal size	Operating pressure (bar)	kv-value (Cv (US) ▼ kv x 1,2)	Weight (kg)	Dimensions Nr.
		1, 3 (5)	2 (4)						
	2623079	G 1/4	Flange	Solenoid indirectly controlled	6	2 ... 8	1,2	0,4	4
	2623179	G 1/4	Flange	2 x Solenoid indirectly controlled	6	2 ... 8	1,2	0,9	5

* When ordering please indicate solenoid, voltage and current type (frequency).
Port 3 not throttleable.

Solenoid actuators

Type	Power consumption		Rated current at		Protection class Fluid max.	Temperature Ambience (°C)	Weight (kg)	Dimensions No.	Circuit diagram No.
	24 V DC (W)	230 V AC (VA)	24 V DC (mA)	230 V AC (mA)					
	3050 *2)	1,7	5,6/4,3	–	IP 65 with connector DIN EN 175301-803 Form B *6)	-40 ... +50	0,06	6	1
	3036 *2)	1,6	3,5	30	IP 65 with connector DIN EN 175301-803 Form A *6)	-40 ... +50	0,1	7	1
	3062 *3)	2,7	–	115	Cat. II2G, EEx m II T5 3 m cable	-20 ... +50	0,3	8	1
	3063 *3)	–	2,1	–	Cat. II2G, EEx m II T5 3 m Kabel	-20 ... +50	0,3	8	8
	3071	2,7	–	115	IP 66 Connector M12x1 DIN EN 60947-5-2 Anh. D	-10 ... +50	0,3	9	8

Standard voltages 24 V DC, 230 V AC. Other voltages on request.
Design acc. to VDE 0580, EN 50014/50028. 100% duty cycle.

*2) Required connector, see page 3
*3) Certificate of Conformity PTB No. PTB 03 ATEX 2015 X
*6) Connector is not indicated in delivery