

Solenoid Valve, Metal

Construction

The 3/2 way servo assisted solenoid valve has an aluminium body and is indirectly controlled. Its detachable coil is encapsulated in plastic and its indirectly controlled T-ring piston slide valve has a soft seal. The electrical connection is made via a plug to DIN EN 175301-803 form A.

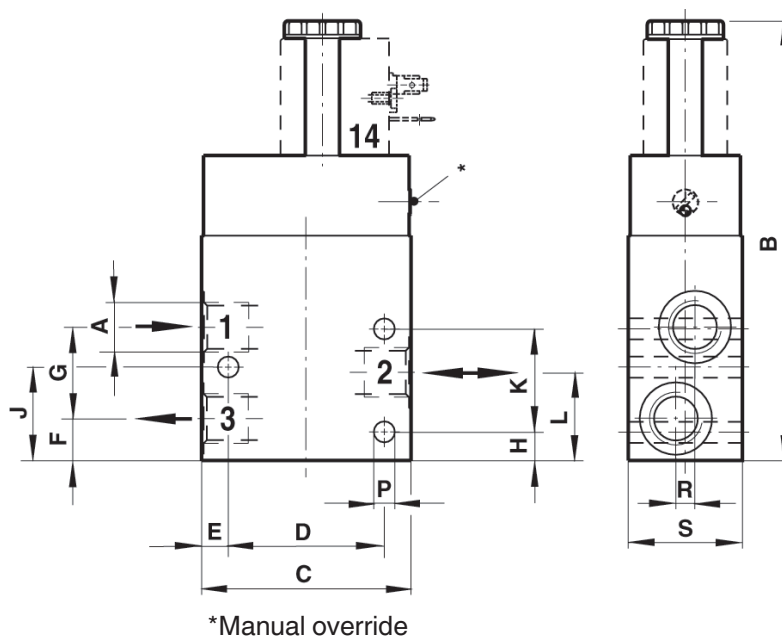
Features

- Filtered, lubricated or oil-free compressed air is a suitable working medium
- The valve is suitable for the control of single acting pneumatic cylinders and membrane actuators or other pneumatic actuators
- In order to achieve the maximum possible reliability and service life it is advisable to prepare the working medium using a lubricator and filter regulator

Advantages

- The valve can be mounted in any position
- Standard manual override
- Battery mounting with common air inlet is possible
- The coil can be replaced without removing the valve body from the pipeline

Sectional drawing of construction



Dimensions [mm]

A	B	C	D	E	F	G	H	J	K	L	P	R	S
G1/4	115.3	55	41	7	11	24	7.5	24.5	27	23	5.5	5	30

Technical data

Working medium

Filtered, lubricated* or unlubricated compressed air which has no negative impact on the physical and chemical properties of the body and seal material.

Perm. temp. of working medium -10°C ... +50°C

Mounting position

Optional

Flow direction

Specified

Switching time

Approx. 20 ms

Power consumption

A.C. operation 4.9 VA

D.C. operation 2.7 W

Protection class

IP 65 (Ex version upon request)

Permissible voltage tolerance

±10 to VDE 0580

Rating

Continuously rated

Alternative versions

With manual override

Bistable version

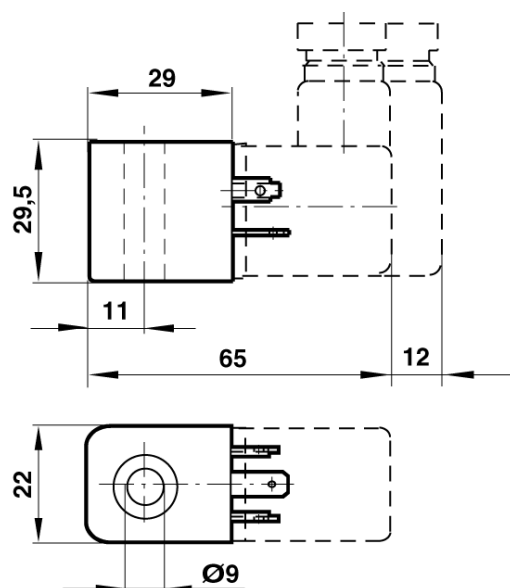
Nominal size	Working pressure	K _V value	Note	Weight
DN	[bar]	[m³/h]		[kg]
6	1.0 - 10	1.2*	Back flow through R cannot be throttled	0.4

* 6 bar pressure 1 bar Δp

Wiring note:

Special wiring on request. When using electronic switches and additional wiring, carefully design out any potential residual currents upon installation.

Sectional drawings / Solenoid dimensions GEMÜ 3032



Order data

Body configuration	Code
Multi-way	M

Voltage	Code
24 V	24
230 V	230

Connection	Code
Threaded sockets DIN ISO 228	1

Frequency	Code
50 Hz	50
DC	DC

Valve body material	Code
Aluminium	14

Voltage / Frequency availability	
AC voltage 24 V AC, 230 V AC	50 Hz
DC voltage 24 V DC	-
Further voltages and ex-solenoids upon request.	

Seal material	Code
NBR (Perbunan)	2

Switching position	Code
Closed neutral position	1
Open neutral position	2

Order example	8357	6	M	1	14	2	1	230	50
Type	8357								
Nominal size		6							
Body configuration (code)			M						
Connection (code)				1					
Valve body material (code)					14				
Seal material (code)						2			
Switching position (code)							1		
Voltage (code)								230	
Frequency (code)									50

Order information

Suitable plug acc. to DIN EN 175301-803 form A, loose plug: type GEMÜ 1220/1221

Direct mounting to valves with G 1/4" thread with double threaded nipple type GEMÜ 1755

Without plug K-no. 1007, in ex version K-no. 6491

Accessories / Spare parts



Standard version
Solenoid GEMÜ
Typen-Nr. 8506000P3032
for DC current 2.7 W
Design A (plug)

ATEX version
Ex-solenoid 3060
Type no. 8506000P3060
for DC current
Design B with 3 m cable
Protection class:
EEx m II T 4

ATEX version
Ex-solenoid 3061
Type no. 8506000P3061
for AC current
Design B with 3 m cable
Protection class:
EEx m II T 4

Other metal pilot valves



GEMÜ 8303
3/2-way metal pilot valve,
directly controlled,
brass or stainless steel,
DN 2 (1.0 - 10 bar)



GEMÜ 8505
4/2-way metal pilot valve,
servo assisted,
aluminium
DN 4 + 7 (1.0/1.5 - 10 bar)



GEMÜ 8506
3/2 and 5/2-way metal pilot valve,
servo assisted,
aluminium
DN 6 (2.0 - 8.0 bar)

For other solenoid valves, accessories and other products, please see our Product Range catalogue and Price List. Contact GEMÜ.



GEMÜ® VALVES, MEASUREMENT
AND CONTROL SYSTEMS