

Solenoid Valve, Metal

Construction

The servo controlled 5/2 way solenoid valve GEMÜ 8458 has an aluminium body. The detachable coil is encapsulated in plastic. The T-ring piston slide valve is with soft seal. The control of the valve is indirect.

Features

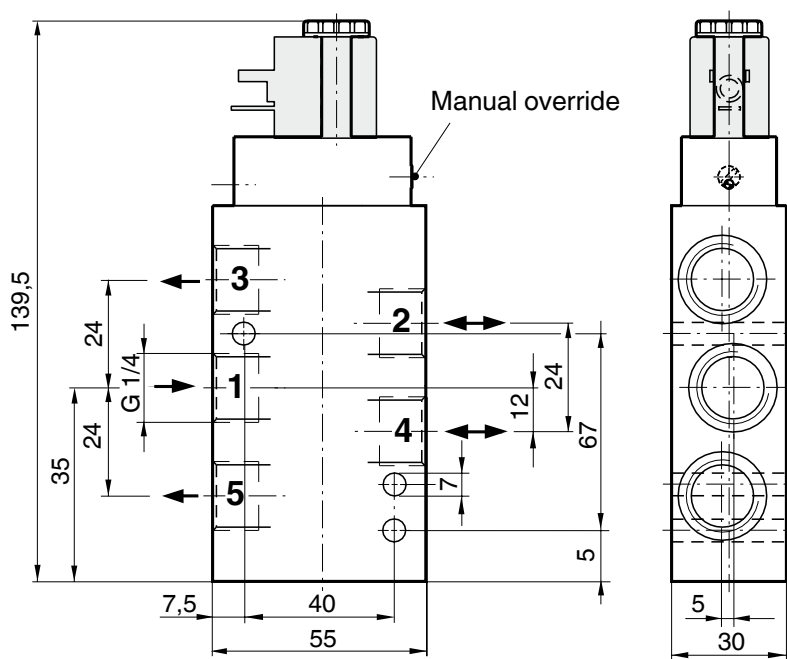
- Filtered, lubricated or oil-free compressed air is a suitable working medium
- The valve is suitable for the control of double acting pneumatic cylinders and diaphragm actuators or other pneumatic actuators
- In order to achieve the maximum possible reliability and service life it is advisable to prepare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

Advantages

- The valve can be mounted in any position
- Standard manual override
- The coil can be replaced without removing the valve body from the pipeline
- Technically advanced and proven construction



Body dimensions GEMÜ 8458 [mm]



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.

* Lubricants with DVI-values < 8 (DIN 53521) and ISO viscosity class 32-46 (DIN 51519)

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

Switching time

approx. 27 ms

Protection class

IP 65

Rating

Continuously rated

Power consumption

AC operation	4.9 VA
DC operation	2.7 W

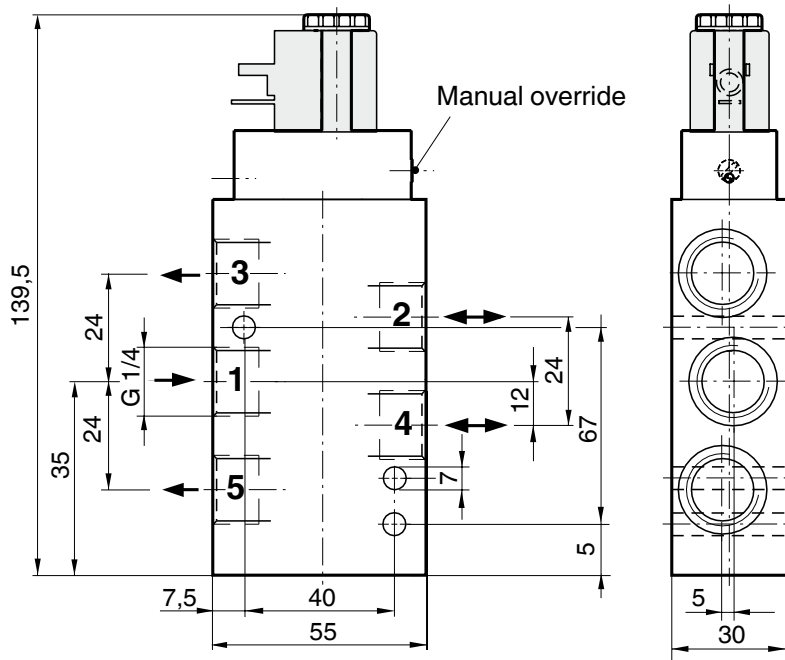
Nominal size DN	Operating pressure	K _v value	Weight
[mm]	[bar]	[m ³ /h]	[kg]
6	1.0 - 10	1.2*	0.4

* 6 bar pressure 1 bar Δp

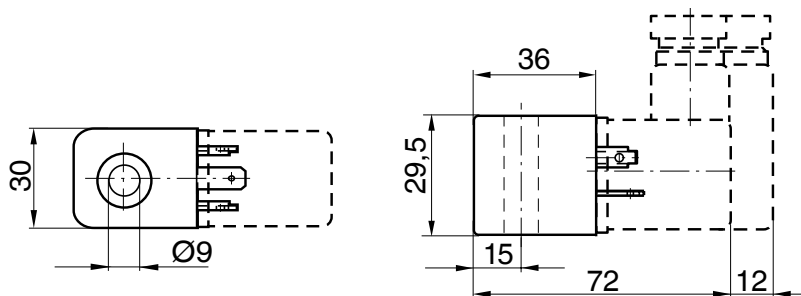
Wiring note:

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

Body dimensions GEMÜ 8458 [mm]



Dimensiones solenoid GEMÜ 3032 [mm]



Order data

Body configuration	Code
Multi-way	M

Connection	Code
Threaded sockets DIN ISO 228	1

Valve body material	Code
Aluminium (Al)	14

Seal material	Code
Perbunan (NBR)	2

Control function	Code
Normally closed	1

Supply voltage	Code
24 V AC	24
230 V AC	230
24 V DC	24

Mains frequency	Code
50 Hz	50
DC	DC

Available voltages/frequency		
AC	24 V AC	50 Hz
	230 V AC	50 Hz
DC	24 V DC	-
Further voltages and ex-solenoids upon request.		

Order data	8458	6	M	1	14	2	1	230	50
Type	8458								
Nominal size		6							
Body configuration (code)			M						
Connection (code)				1					
Valve body material (code)					14				
Seal material (code)						2			
Control function (code)							1		
Supply voltage (code)								230	
Mains frequency (code)									50

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

Accessories / Spare parts



Standard version
Solenoid GEMÜ
Type no. 8506000P3032
for D.C. current 2.7 W
Design A (plug)

ATEX version
Ex-solenoid 3060
Type no. 8506000P3060
for D.C. current
Design B with 3 m cable
Protection class: EExm IIT4

ATEX version
Ex-solenoid 3061
Type no. 8506000P3061
for A.C. current
Design B with 3 m cable
Protection class: EExm IIT4

GEMÜ® VALVES, MEASUREMENT
AND CONTROL SYSTEMS

