

## 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

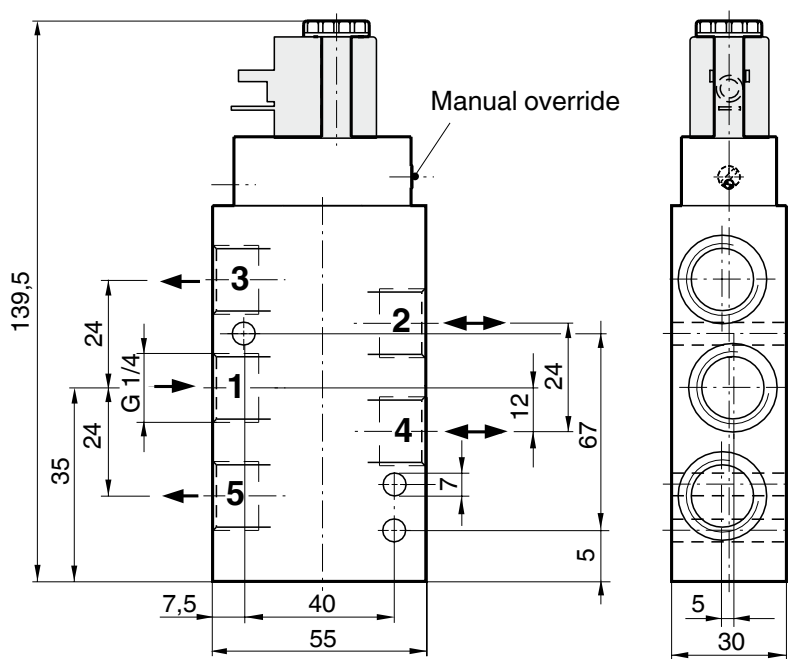
- Filtered, lubricated or oil-free compressed air is a suitable working medium
- The valve is suitable for the control of double acting pneumatic cylinders and diaphragm actuators or other pneumatic actuators
- In order to achieve the maximum possible reliability and service life it is advisable to prepare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

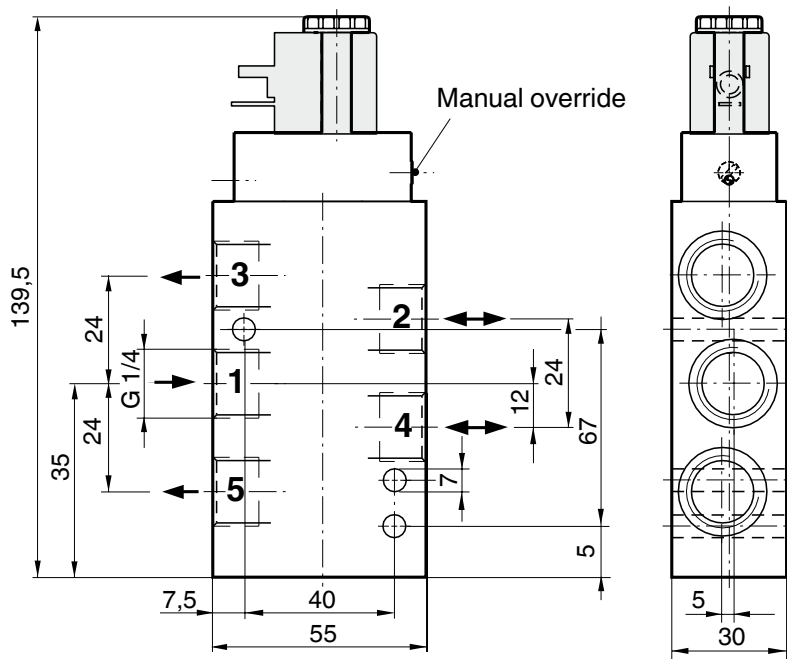
Nominal size DN	Operating pressure	K <sub>v</sub> value	Weight
[mm]	[bar]	[l/min]	[kg]
6	1.0 - 10	1200*	0.4

\* 6 bar pressure 1 bar Δp

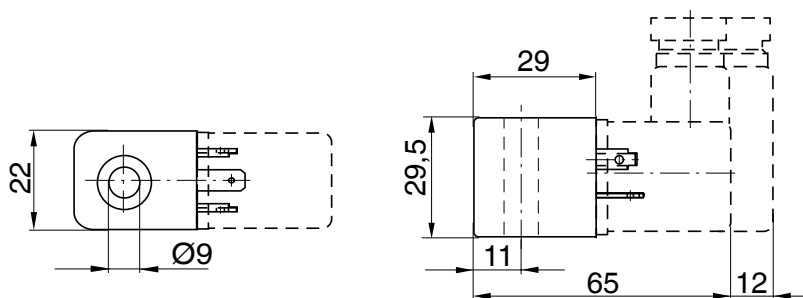
### Wiring note:

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 3033 [mm]



## Order data

Body configuration	Code	Supply voltage	Code
Multi-way	M	24 V AC	24
		230 V AC	230
		24 V DC	24
Connection	Code	Mains frequency	Code
Threaded sockets DIN ISO 228	1	50 Hz	50
		DC	DC
Valve body material	Code	Special function	Code
Aluminium (Al)	14	ATEX	X
Seal material	Code	Available voltages/frequency	
Perbunan (NBR)	2	<b>AC</b> 24 V AC	50 Hz
		230 V AC	50 Hz
		<b>DC</b> 24 V DC	-
		Further voltages and ex-solenoids upon request.	
Control function	Code		
Normally closed	1		

Order example	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				
Switching position (code)							1			
Voltage (code)								230		
Frequency (code)									50	
Special function (code)										-

**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 3033  
Typen-Nr. 8506000P3033  
for DC current 2.7 W  
Design A (plug)

ATEX version  
Ex-solenoid 3060  
Type no. 8458000P3060  
for DC current  
Design B with 3 m cable  
Protection class:  
II 2G Ex mb IIC T4/T5 Gb  
II 2D Ex mb tb IIIC T95°C, T130° Db

ATEX version  
Ex-solenoid 3061  
Type no. 8458000P3061  
for AC current  
Design B with 3 m cable  
Protection class:  
II 2G Ex mb IIC T4/T5 Gb  
II 2D Ex mb tb IIIC T95°C, T130° Db

**GEMÜ**® VALVES, MEASUREMENT  
AND CONTROL SYSTEMS

