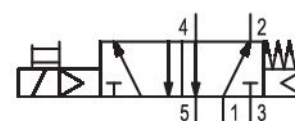


# 5/2-directional valve, Series WV02

0820038102

## General series information Series WV02

- The AVENTICS Series WV02 spool valves with anodized aluminium housing feature short switching times and low switching pressures, while offering low power consumption due to a seal with low friction co-efficient.



## Technical data

Industry  
Industrial

Activation  
Electrically

Nominal flow Qn  
500 l/min

Switching principle  
5/2

Compressed air connection output  
G 1/8

Working pressure min.  
2 bar

Working pressure max  
10 bar

Pilot valve width  
15 mm

Valve type  
Spool valve, positive overlapping

DC operating voltage  
24 V

Voltage tolerance DC  
-10% / +10%

Manual override  
without detent

Electrical connection type  
Plug

Electrical connection size  
ISO 15217, form C

Sealing principle  
Soft Seal

Pilot  
Internal

Connection type  
Pipe connection

Return  
with spring/air spring return

Control pressure min.  
2 bar

Control pressure max.  
10 bar

Min. ambient temperature  
0 °C

Max. ambient temperature  
50 °C

Min. medium temperature  
0 °C

Max. medium temperature  
60 °C

Medium  
Compressed air

Max. particle size  
5 µm

Oil content of compressed air min.  
0 mg/m<sup>3</sup>

Oil content of compressed air max.  
5 mg/m<sup>3</sup>

Compressed air connection input  
G 1/8

Power consumption DC  
2 W

Duty cycle  
100 %

Typ. switch-on time  
11 ms

Typ. switch-off time  
14 ms

Pilot valve width  
15 mm

Connector standard  
ISO 15217

Protection class with connection  
IP65

Mounting on manifold strip  
PRS strip

mounting screws  
M3

Weight  
0.11 kg

Housing material  
Aluminum

Seal material  
Hydrogenated acrylonitrile butadiene rubber

Material threaded bushing  
Aluminum

Material front plate  
Polyamide

Part No.  
0820038102

## Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in <https://www.emerson.com/en-us/support>).

## Dimensions

