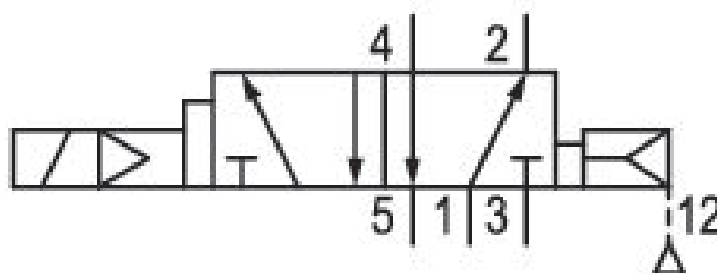


# 5/2-directional valve, Series 581, size 3

## 5813670530

ISO 5599-1, size 3, series 581

- $Q_n = 4100 \dots 4800$  l/min



### Technical data

Industry  
Industrial

Activation  
Electrically

Nominal flow  $Q_n$   
4800 l/min

Switching principle  
5/2

Compressed air connection output  
Base plate ISO 5599-1

Working pressure min.  
1.5 bar

Working pressure max  
16 bar

DC operating voltage  
24 V

Voltage tolerance DC  
-10% / +10%

Voltage tolerance AC 50 Hz  
-10% / +10%

Manual override  
without

Electrical connection type  
Plug

Electrical connection size  
EN 175301-803, form A

Sealing principle  
Soft Seal

<b>Pilot</b> Internal	<b>Min. medium temperature</b> -15 °C
<b>Standards</b> ISO 5599-1	<b>Max. medium temperature</b> 50 °C
<b>Pilot valve width</b> 30x22 mm CNOMO	<b>Medium</b> Compressed air
<b>Valve type</b> Spool valve	<b>Max. particle size</b> 50 µm
<b>Blocking principle</b> Single base plate principle	<b>Oil content of compressed air min.</b> 0 mg/m <sup>3</sup>
<b>Connection type</b> Plate connection	<b>Oil content of compressed air max.</b> 5 mg/m <sup>3</sup>
<b>Return</b> with air spring return	<b>Protection class with connection</b> IP65
<b>Compressed air connection input</b> Base plate ISO 5599-1	<b>Duty cycle</b> 100 %
<b>Compressed air connection, exhaust</b> Base plate ISO 5599-1	<b>Typ. switch-on time</b> 24 ms
<b>Compressed air connection pilot exhaust</b> M5	<b>Typ. switch-off time</b> 66 ms
<b>Power consumption DC</b> 6.7 W	<b>mounting screws</b> with hexagon socket
<b>Flow conductance C</b> 18.9 l/(s*bar)	<b>Mounting screw tightening torque</b> 10 Nm
<b>Frame size</b> ISO 3	<b>Weight</b> 0.99 kg
<b>Control pressure min.</b> 1.5 bar	<b>Housing material</b> Aluminum
<b>Control pressure max.</b> 16 bar	<b>Seal material</b> Acrylonitrile butadiene rubber
<b>Min. ambient temperature</b> -15 °C	<b>Part No.</b> 5813670530
<b>Max. ambient temperature</b> 50 °C	

## 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

