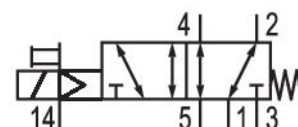


# 5/2-directional valve, Series 581, size 3

## 5813172540

ISO 5599-1, size 3, series 581

- Qn = 4100 ... 4800 l/min



### Technical data

Industry  
Industrial

Activation  
Electrically

Nominal flow Qn  
4800 l/min

Switching principle  
5/2

Compressed air connection output  
Base plate ISO 5599-1

Working pressure min.  
-0.95 bar

Working pressure max  
16 bar

DC operating voltage  
24 V

Operational voltage AC at 50 Hz  
42 V

Voltage tolerance DC  
-10% / +10%

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

Manual override  
without detent

Electrical connection type  
Plug

Electrical connection size  
EN 175301-803, form A

Actuating control  
Single Solenoid

Sealing principle  
Soft Seal

Pilot  
External

Standards  
ISO 5599-1

Pilot valve width 30x22 mm CNOMO	Min. medium temperature -15 °C
Valve type Spool valve	Max. medium temperature 50 °C
Blocking principle Single base plate principle	Medium Compressed air
Connection type Plate connection	Max. particle size 50 µm
Return With spring return	Oil content of compressed air min. 0 mg/m <sup>3</sup>
Compressed air connection input Base plate ISO 5599-1	Oil content of compressed air max. 5 mg/m <sup>3</sup>
Compressed air connection, exhaust Base plate ISO 5599-1	Protection class with connection IP65
Compressed air connection pilot exhaust M5	Duty cycle 100 %
Power consumption DC 6.7 W	Typ. switch-on time 24 ms
Holding power AC 50 Hz 7.7 VA	Typ. switch-off time 66 ms
Switch-on power AC 50 Hz 12 VA	mounting screws with hexagon socket
Flow conductance C 18.9 l/(s*bar)	Mounting screw tightening torque 10 Nm
Frame size ISO 3	Weight 0.99 kg
Control pressure min. 3 bar	Housing material Aluminum
Control pressure max. 16 bar	Seal material Acrylonitrile butadiene rubber
Min. ambient temperature -15 °C	Part No. 5813172540
Max. ambient temperature 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

