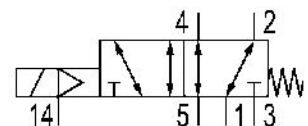
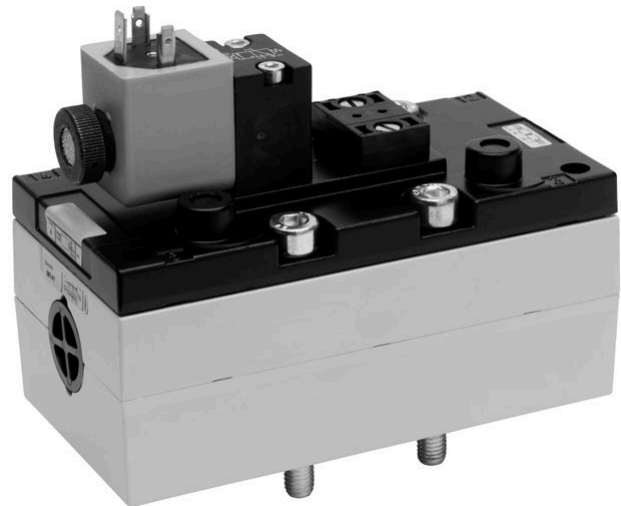


# 5/2-directional valve, Series 581, size 4

## 5814172430

ISO 5599-1, size 4, series 581

- $Q_n = 5000 \dots 6000 \text{ l/min}$



### Technical data

**Industry**  
Industrial

**Activation**  
Electrically

**Nominal flow  $Q_n$**   
6000 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

**Operational voltage AC at 50 Hz**  
230 V

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

**Manual override**  
without

**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

**Valve type**  
Spool valve

**Blocking principle**  
Single base plate principle

**Connection type**  
Plate connection

**Return**  
With spring return

**Compressed air connection input**  
Base plate ISO 5599-1

Compressed air connection, exhaust Base plate ISO 5599-1	Max. particle size 50 µm
Compressed air connection pilot exhaust M5	Oil content of compressed air min. 0 mg/m <sup>3</sup>
Holding power AC 50 Hz 10.8 VA	Oil content of compressed air max. 5 mg/m <sup>3</sup>
Switch-on power AC 50 Hz 15.2 VA	Protection class with connection IP65
Flow conductance C 24.5 l/(s*bar)	Duty cycle 100 %
Frame size ISO 4	Typ. switch-on time 33 ms
Control pressure min. 3 bar	Typ. switch-off time 77 ms
Control pressure max. 16 bar	mounting screws with hexagon socket
Min. ambient temperature -15 °C	Mounting screw tightening torque 10 Nm
Max. ambient temperature 50 °C	Weight 1.4 kg
Min. medium temperature -15 °C	Housing material Aluminum
Max. medium temperature 50 °C	Seal material Acrylonitrile butadiene rubber
Medium Compressed air	Part No. 5814172430

## 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

