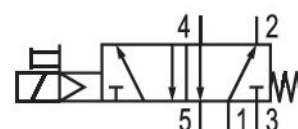


5/2-directional valve, Series 581, size 4

5814170540

ISO 5599-1, size 4, series 581

■ $Q_n = 5000 \dots 6000$ 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.
3 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
Internal

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 ³
Compressed air connection input Base plate ISO 5599-1	Oil content of compressed air max. 5 mg/m ³
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 33 ms
Holding power AC 50 Hz 7.7 VA	Typ. switch-off time 77 ms
Switch-on power AC 50 Hz 12 VA	mounting screws with hexagon socket
Flow conductance C 24.5 l/(s*bar)	Mounting screw tightening torque 10 Nm
Frame size ISO 4	Weight 1.4 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. 5814170540
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

