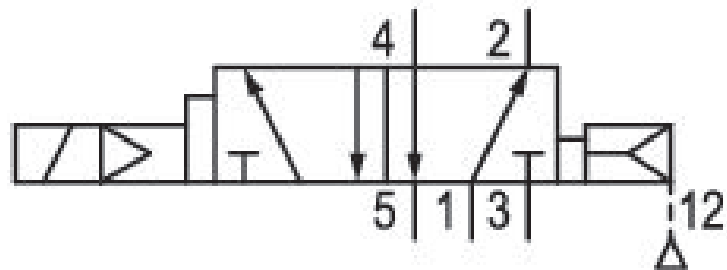


5/2-directional valve, Series 581, size 3

5813680000

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.

-0.95 bar

Working pressure max

16 bar

Sealing principle

Soft Seal

Pilot

External

Internal

Standards

ISO 5599-1

Pilot valve width

30 mm

Valve type

Spool valve

Blocking principle

Single base plate principle

Connection type

Plate connection

Return with air spring return	Max. particle size 50 µm
Compressed air connection input Base plate ISO 5599-1	Oil content of compressed air min. 0 mg/m ³
Compressed air connection, exhaust Base plate ISO 5599-1	Oil content of compressed air max. 5 mg/m ³
Flow conductance C 18.9 l/(s*bar)	Standard compressed air connection according to ISO 5599
basic valve with electrical connector Basic valve without pilot valve	Protection class with connection IP65
Frame size ISO 3	Duty cycle 100 %
Control pressure min. 1.5 bar	mounting screws with hexagon socket
Control pressure max. 16 bar	Mounting screw tightening torque 10 Nm
Min. ambient temperature -20 °C	Weight 0.85 kg
Max. ambient temperature 70 °C	Housing material Aluminum
Min. medium temperature -20 °C	Seal material Acrylonitrile butadiene rubber
Max. medium temperature 70 °C	Part No. 5813680000
Medium Compressed air	

Technical information

* Note: ATEX version can be produced by combining the basic valve without coil with a series DO30 CNOMO pilot valve and an ATEX coil. ATEX ID: see ATEX coils catalog page.

Differential piston, signal 14 has priority

The minimum pilot pressure at port 14 is dependent on the pressure in port 1.

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

