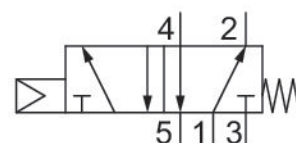


5/2-directional valve, Series 581, size 3

5813180000

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

Actuating control

Single Solenoid

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 spring return

Compressed air connection input

Base plate ISO 5599-1

Compressed air connection, exhaust

Base plate ISO 5599-1

Flow conductance C 18.9 l/(s*bar)	Oil content of compressed air min. 0 mg/m ³
basic valve with electrical connector Basic valve without pilot valve	Oil content of compressed air max. 5 mg/m ³
Frame size ISO 3	Protection class with connection IP65
Control pressure min. 3 bar	Duty cycle 100 %
Control pressure max. 16 bar	mounting screws with hexagon socket
Min. ambient temperature -20 °C	Mounting screw tightening torque 10 Nm
Max. ambient temperature 70 °C	Weight 0.85 kg
Min. medium temperature -20 °C	Housing material Aluminum
Max. medium temperature 70 °C	Seal material Acrylonitrile butadiene rubber
Medium Compressed air	Part No. 5813180000
Max. particle size 50 µm	

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.

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

