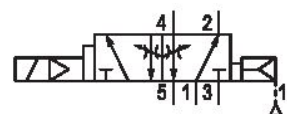


5/2-directional valve, Series 581, size 4

5814681000

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

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

Flow conductance C
24.5 l/(s*bar)

Throttle
with throttle

basic valve with electrical connector
Basic valve without pilot valve

Frame size
ISO 4

Control pressure min. 1.5 bar	Standard compressed air connection according to ISO 5599
Control pressure max. 16 bar	Protection class with connection IP65
Min. ambient temperature -20 °C	Duty cycle 100 %
Max. ambient temperature 70 °C	mounting screws with hexagon socket
Min. medium temperature -20 °C	Mounting screw tightening torque 10 Nm
Max. medium temperature 70 °C	Weight 1.28 kg
Medium Compressed air	Housing material Aluminum
Max. particle size 50 µm	Seal material Acrylonitrile butadiene rubber
Oil content of compressed air min. 0 mg/m ³	Part No. 5814681000
Oil content of compressed air max. 5 mg/m ³	

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.

For internal pilot the working pressure min/max is the same as the control pressure min/max.

Differential piston, signal 14 has priority

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

