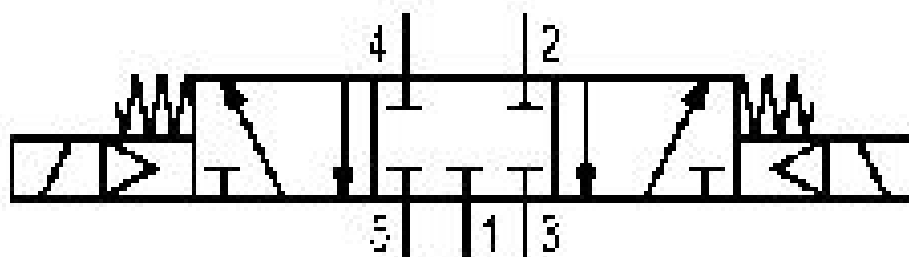


# 5/3-directional valve, Series 581, size 4

## 5814480000

General series information  
AVENTICS Series 581 - Size 4 Standardized valves

- The AVENTICS series 581 complies with the ISO 5599-1 valve standard. Due to the high degree of modularity, the series offers all valve functions, integrated throttle valves, various pilot coils and an extensive range of accessories.



### Technical data

Industry	Industrial
Activation	Electrically
Nominal flow Qn	5000 l/min
Switching principle	5/3
Version	Closed Center
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
Flow conductance C	15.5 l/(s*bar)
basic valve with electrical connector	Basic valve without pilot valve
Frame size	ISO 4
Control pressure min.	3 bar
Control pressure max.	16 bar
Min. ambient temperature	-20 °C
Max. ambient temperature	70 °C
Min. medium temperature	-20 °C
Max. medium temperature	70 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air min.	0 mg/m <sup>3</sup>
Oil content of compressed air max.	5 mg/m <sup>3</sup>
Standard compressed air connection	according to ISO 5599
Protection class with connection	IP65
Duty cycle	100 %
mounting screws	with hexagon socket
Mounting screw tightening torque	10 Nm
Weight	1.28 kg
Housing material	Aluminum
Seal material	Acrylonitrile butadiene rubber
Part No.	5814480000

## 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 less than 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

