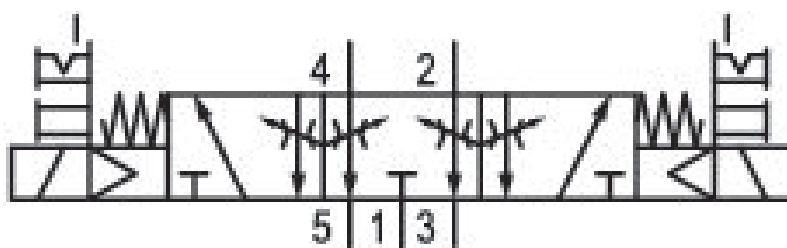


5/3-directional valve, Series 581, size 4

5814591650

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

5000 l/min

Switching principle

5/3

Version

Exhausted Center

Compressed air connection output

Base plate ISO 5599-1

Working pressure min.

3 bar

Working pressure max

10 bar

DC operating voltage

24 V

Voltage tolerance DC

-10% / +10%

Manual override

with detent

without detent

Electrical connection type

Plug

Electrical connection size

EN 175301-803, form A

Sealing principle

Soft Seal

Pilot	Min. medium temperature
Internal	-15 °C
Standards	Max. medium temperature
ISO 5599-1	50 °C
Pilot valve width	Medium
30x22 mm CNOMO	Compressed air
Valve type	Max. particle size
Spool valve	50 µm
Blocking principle	Oil content of compressed air min.
Single base plate principle	0 mg/m ³
Connection type	Oil content of compressed air max.
Plate connection	5 mg/m ³
Compressed air connection input	Protection class with connection
Base plate ISO 5599-1	IP65
Compressed air connection, exhaust	Compatibility index
Base plate ISO 5599-1	14
Compressed air connection pilot exhaust	Duty cycle
M5	100 %
Power consumption DC	Typ. switch-on time
2 W	26 ms
Flow conductance C	Typ. switch-off time
15.5 l/(s*bar)	68 ms
Throttle	mounting screws
with throttle	with hexagon socket
Frame size	Mounting screw tightening torque
ISO 4	10 Nm
Control pressure min.	Weight
3 bar	1.57 kg
Control pressure max.	Housing material
10 bar	Aluminum
Min. ambient temperature	Seal material
-15 °C	Acrylonitrile butadiene rubber
Max. ambient temperature	Part No.
50 °C	5814591650

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

