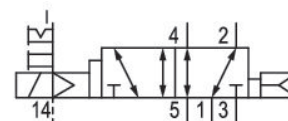
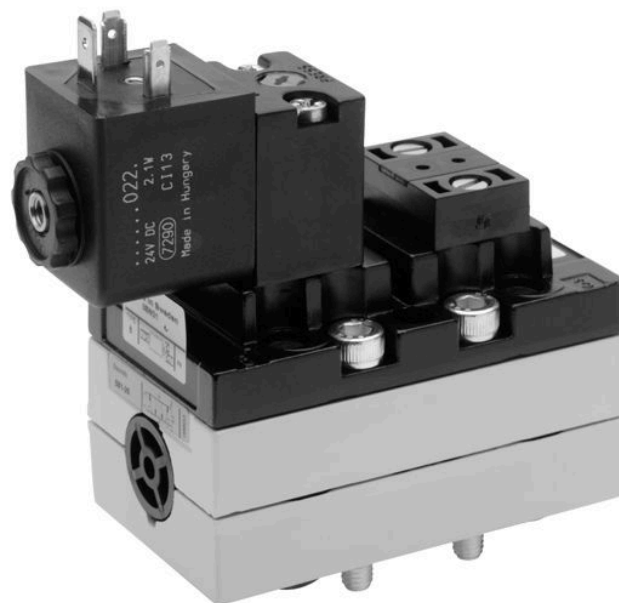


5/2-directional valve, Series 581, size 2

5812672450

ISO 5599-1, size 2, series 581

- $Q_n = 2100 \dots 2700$ l/min



Technical data

Industry

Industrial

Activation

Electrically

Nominal flow Q_n

2700 l/min

Switching principle

5/2

Compressed air connection output

Base plate ISO 5599-1

Working pressure min.

-0.95 bar

Working pressure max

10 bar

Operational voltage AC at 50 Hz

230 V

Voltage tolerance AC 50 Hz

-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

External

Standards

ISO 5599-1

Pilot valve width

30x22 mm CNOMO

Valve type

Spool valve

Blocking principle

Single base plate principle

Connection type Plate connection	Medium Compressed air
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
Compressed air connection pilot exhaust M5	Protection class with connection IP65
Holding power AC 50 Hz 4.8 VA	Compatibility index 14
Switch-on power AC 50 Hz 7 VA	Duty cycle 100 %
Flow conductance C 10.8 l/(s*bar)	Typ. switch-on time 17 ms
Frame size ISO 2	Typ. switch-off time 40 ms
Control pressure min. 2.7 bar	mounting screws with hexagon socket
Control pressure max. 10 bar	Mounting screw tightening torque 3.5 Nm
Min. ambient temperature -15 °C	Weight 0.56 kg
Max. ambient temperature 50 °C	Housing material Aluminum
Min. medium temperature -15 °C	Seal material Acrylonitrile butadiene rubber
Max. medium temperature 50 °C	Part No. 5812672450

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

