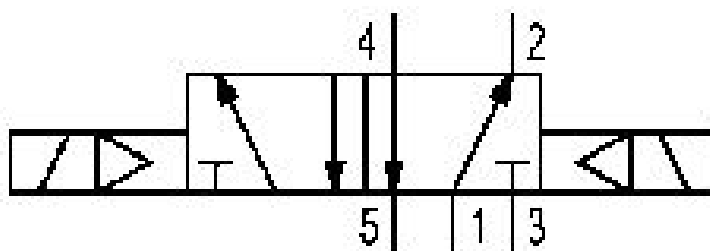


# 5/2-directional valve, Series 581, size 3

## 5813290530

ISO 5599-1, size 3, series 581

■  $Q_n = 4100 \dots 4800 \text{ l/min}$



### 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.

1.5 bar

Working pressure max

16 bar

DC operating voltage

24 V

Voltage tolerance DC

-10% / +10%

Voltage tolerance AC 50 Hz

-10% / +10%

Manual override

without

Electrical connection type

Plug

Electrical connection size

EN 175301-803, form A

Actuating control

Double Solenoid

**Sealing principle**

Soft Seal

**Pilot**

Internal

**Standards**

ISO 5599-1

**Pilot valve width**

30x22 mm CNOMO

**Valve type**

Spool valve

**Blocking principle**

Single base plate principle

**Connection type**

Plate connection

**Compressed air connection input**

Base plate ISO 5599-1

**Compressed air connection, exhaust**

Base plate ISO 5599-1

**Compressed air connection pilot exhaust**

M5

**Power consumption DC**

6.7 W

**Flow conductance C**

18.9 l/(s\*bar)

**Frame size**

ISO 3

**Control pressure min.**

1.5 bar

**Control pressure max.**

16 bar

**Min. ambient temperature**

-15 °C

**Max. ambient temperature**

50 °C

**Min. medium temperature**

-15 °C

**Max. medium temperature**

50 °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>

**Protection class with connection**

IP65

**Duty cycle**

100 %

**Typ. switch-on time**

18 ms

**Typ. switch-off time**

18 ms

**mounting screws**

with hexagon socket

**Mounting screw tightening torque**

10 Nm

**Weight**

1.14 kg

**Housing material**

Aluminum

**Seal material**

Acrylonitrile butadiene rubber

**Part No.**

5813290530

## 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

