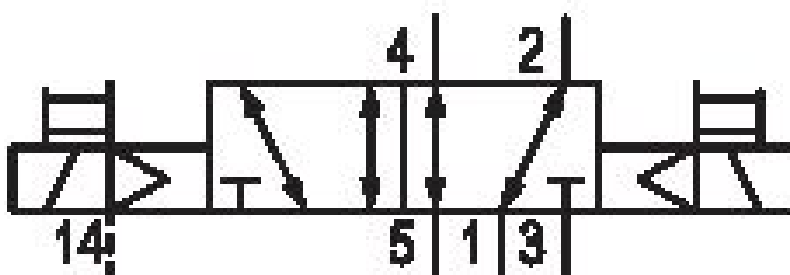


5/2-directional valve, Series 581, size 3

5813292540

ISO 5599-1, size 3, series 581

- $Q_n = 4100 \dots 4800$ 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.
-0.95 bar

Working pressure max
16 bar

DC operating voltage
24 V

Operational voltage AC at 50 Hz
42 V

Voltage tolerance DC
-10% / +10%

Voltage tolerance AC 50 Hz
-10% / +10%

Manual override
without detent

Electrical connection type
Plug

Electrical connection size
EN 175301-803, form A

| | |
|---|---|
| Actuating control Double Solenoid | Min. ambient temperature -15 °C |
| Sealing principle Soft Seal | Max. ambient temperature 50 °C |
| Pilot External | Min. medium temperature -15 °C |
| Standards ISO 5599-1 | Max. medium temperature 50 °C |
| Pilot valve width 30x22 mm CNOMO | Medium Compressed air |
| Valve type Spool valve | Max. particle size 50 µm |
| Blocking principle Single base plate principle | Oil content of compressed air min. 0 mg/m ³ |
| Connection type Plate connection | Oil content of compressed air max. 5 mg/m ³ |
| Compressed air connection input Base plate ISO 5599-1 | Protection class with connection IP65 |
| Compressed air connection, exhaust Base plate ISO 5599-1 | Duty cycle 100 % |
| Compressed air connection pilot exhaust M5 | Typ. switch-on time 18 ms |
| Power consumption DC 6.7 W | Typ. switch-off time 18 ms |
| Holding power AC 50 Hz 7.7 VA | mounting screws with hexagon socket |
| Switch-on power AC 50 Hz 12 VA | Mounting screw tightening torque 10 Nm |
| Flow conductance C 18.9 l/(s*bar) | Weight 1.14 kg |
| Frame size ISO 3 | Housing material Aluminum |
| Control pressure min. 1.5 bar | Seal material Acrylonitrile butadiene rubber |
| Control pressure max. 16 bar | Part No. 5813292540 |

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

