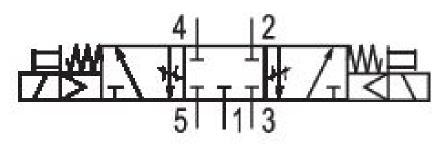
5/3-directional valve, Series 581, size 3 5813491540

ISO 5599-1, size 3, series 581

■ Qn = 4100 ... 4800 l/min





Technical data

Industry Industrial Activation Electrically Nominal flow Qn 4100 l/min Switching principle 5/3 Version Closed Center Compressed air connection output Base plate ISO 5599-1 Working pressure min. 3 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 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 Holding power AC 50 Hz 7.7 VA Switch-on power AC 50 Hz 12 VA Flow conductance C 14.1 l/(s*bar) Throttle with throttle Frame size ISO 3 Control pressure min. 3 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/m³ Oil content of compressed air max. 5 mg/m³ Protection class with connection IP65 Duty cycle 100 % Typ. switch-on time 22 ms Typ. switch-off time 61 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. 5813491540

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 $^\circ C$ under ambient and medium temperature and may not exceed 3 $^\circ C$.

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

