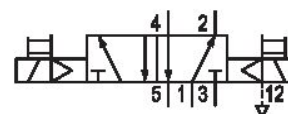


5/2-directional valve, Series 581, size 2

5812260160

ISO 5599-1, size 2, series 581

■ $Q_n = 2100 \dots 2700 \text{ l/min}$



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.
1.5 bar

Working pressure max
10 bar

DC operating voltage
24 V

Voltage tolerance DC
-10% / +10%

Manual override
without detent

Electrical connection type
Plug

Electr. connection
3-pin

Actuating control
Double Solenoid

Sealing principle
Soft Seal

Pilot
Internal

Standards
ISO 5599-1

Pilot valve width
15 mm

Valve type
Spool valve

Blocking principle Single base plate principle	Max. particle size 50 µm
Connection type Plate connection	Oil content of compressed air min. 0 mg/m ³
Compressed air connection input Base plate ISO 5599-1	Oil content of compressed air max. 5 mg/m ³
Compressed air connection, exhaust Base plate ISO 5599-1	Protection class with connection IP67
Compressed air connection pilot exhaust Base plate ISO 5599-1	Protective circuit Z-diode
Power consumption DC 2.2 W	Reverse polarity protection Protected against polarity reversal
Flow conductance C 10.8 l/(s*bar)	LED status display Green
Cable length 0.5 m	Duty cycle 100 %
Frame size ISO 2	Typ. switch-on time 13 ms
Control pressure min. 1.5 bar	Typ. switch-off time 13 ms
Control pressure max. 10 bar	mounting screws with hexagon socket
Min. ambient temperature -10 °C	Mounting screw tightening torque 3.5 Nm
Max. ambient temperature 50 °C	Weight 0.33 kg
Min. medium temperature -10 °C	Housing material Polyamide fiber-glass reinforced
Max. medium temperature 50 °C	Seal material Acrylonitrile butadiene rubber
Medium Compressed air	Part No. 5812260160

Technical information

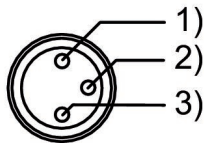
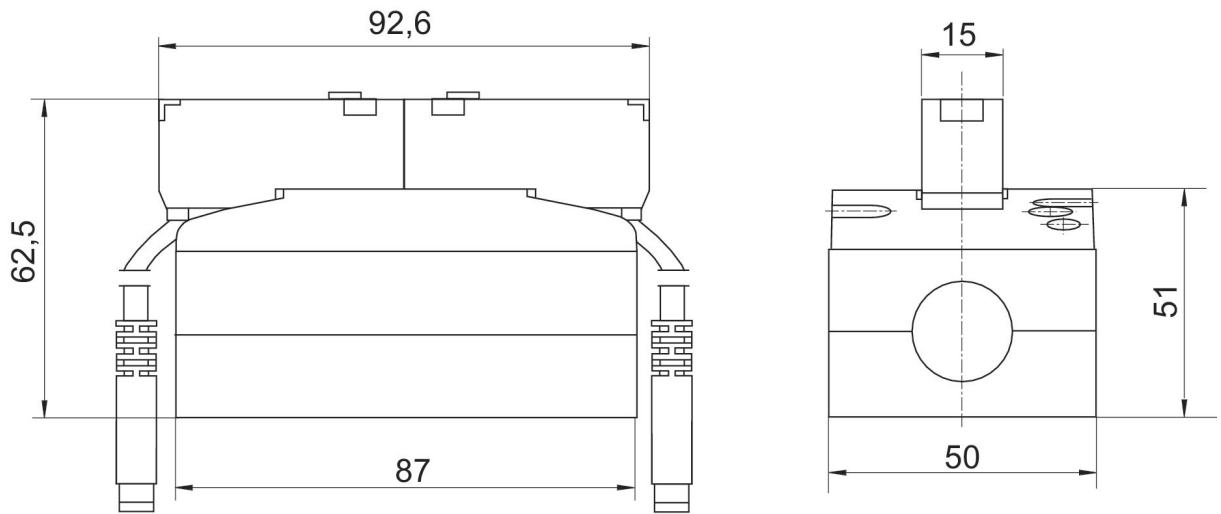
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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



Pin assignment 1) brown (+24 V) 2) green/yellow (ground) 3) blue (0 V)