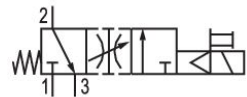
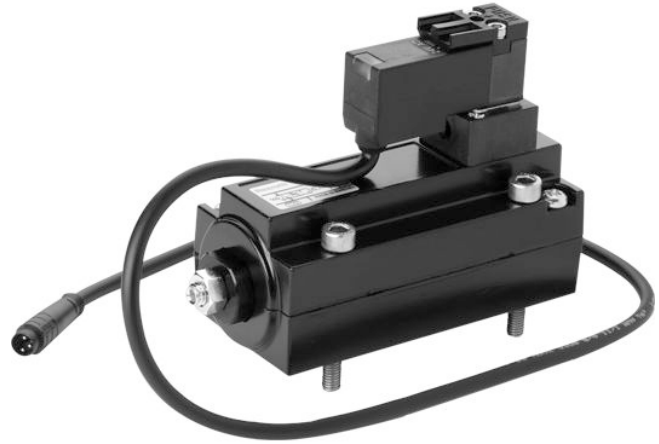


AVENTICS Series 581 - Size 1 Standardized valves

The AVENTICS series 581 complies with the ISO 5599-1 valve standard. Due to the high degree of modularity, the series offers all valve functions, integrated throttle valves, various pilot coils and an extensive range of accessories. Qn = 950 ... 1400 l/min



Technical data

Industry	Industrial
Activation	Electrically
Nominal flow Qn	3300 l/min
Min. working pressure	3 bar
Max. working pressure	10 bar
Operational voltage	24 V DC
Operational voltage DC	24 V
Voltage tolerance DC	-10% / +10%
Manual override	without detent
Pilot valve width	15 mm
Valve type	Spool valve
Power consumption DC	2 W
Flow conductance C	11.3 l/(s*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	5 µm

Min. oil content of compressed air	0 mg/m ³
Max. oil content of compressed air	1 mg/m ³
Protection class with connection	IP65
Duty cycle	100 %
Typ. switch-off time	60 ms
Weight	0.39 kg
Housing material	Aluminum
Seal material	Acrylonitrile butadiene rubber
Part No.	5835902100

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 less than 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>).

Soft-start valve

5835902100

2023-11-28

Dimensions

