





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

- double air pilot
- $Q_n = 4800$  l/min
- Plate connection
- Compressed air connection output Base plate ISO 5599-1
- Can be assembled into blocks
- suitable for ATEX



Version	Spool valve
Blocking principle	Single base plate principle
Sealing principle	Soft sealing
ATEX class G	2G Ex mb II T4
ATEX class D	2D Ex tD A21 T130°C
Connection type	Plate connection
Standards	ISO 5599-1, ISO 3
Nominal flow $Q_n$	4800 l/min
Compressed air connection	Base plate ISO 5599-1
Working pressure min./max.	-0,95 ... 16 bar
Control pressure min./max.	1,5 ... 16 bar
Ambient temperature min./max.	-20 ... 70 °C
Medium temperature min./max.	-20 ... 70 °C
Medium	Compressed air class 6-4-3
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m <sup>3</sup>
Mounting screw	with hexagon socket
Mounting screw tightening torque	10 Nm
Weight	0,85 kg

## Technical data

Part No.		Flow conductance	Throttle	ATEX	Fig.	
		C-value				
5813230000		18,9 l/(s*bar)	-	suitable for ATEX	-	-
5813240000		18,9 l/(s*bar)	-	suitable for ATEX	Fig. 1	1)
5813231000		18,9 l/(s*bar)	with throttle	suitable for ATEX	-	-
5813241000		18,9 l/(s*bar)	with throttle	suitable for ATEX	Fig. 1	1)

Nominal flow  $Q_n$  at 6 bar and  $\Delta p = 1$  bar

1) Valve cover with two connection locations for mounting series 551 logic modules.

## 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 the MediaCentre).

## Technical information

Housing	Aluminum
Seals	Acrylonitrile butadiene rubber

## Dimensions

### Dimensions

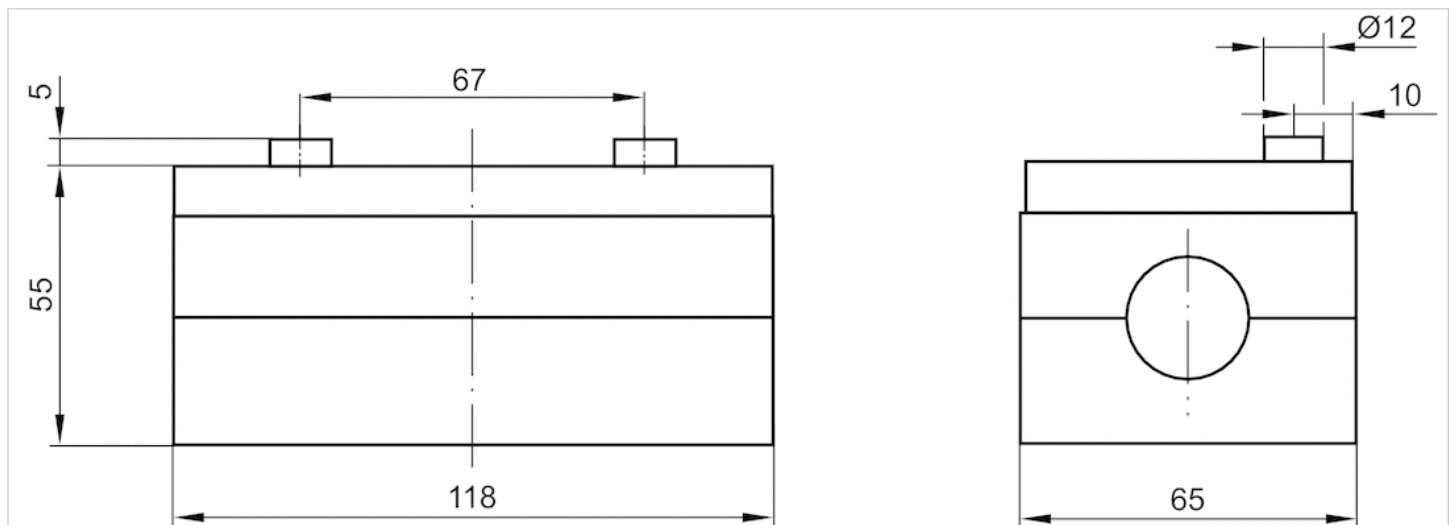


Fig. 1 Hole pattern for logic modules

