













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

- Qn = 4100 l/min
- Plate connection
- Compressed air connection output Base plate ISO 5599-1
- Can be assembled into blocks



Type	Spool valve
Blocking principle	Single base plate principle
Sealing principle	Soft sealing
Connection type	Plate connection
Standards	ISO 5599-1, ISO 3
Nominal flow Qn	4100 l/min
Compressed air connection	Base plate ISO 5599-1
Working pressure min./max.	-0,95 ... 16 bar
Control pressure min./max.	3 ... 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/m³
Mounting screw	with hexagon socket
Mounting screw tightening torque	10 Nm
Weight	0,85 kg

Technical data

Part No.			Flow conductance	Throttle	
			C-value		
5813430000		closed center	14,1 l/(s*bar)	-	
5813440000		closed center	14,1 l/(s*bar)	-	
5813431000		closed center	14,1 l/(s*bar)	with throttle	
5813441000		closed center	14,1 l/(s*bar)	with throttle	
5813530000		exhausted center	14,1 l/(s*bar)	-	
5813540000		exhausted center	14,1 l/(s*bar)	-	
5813531000		exhausted center	14,1 l/(s*bar)	with throttle	
5813541000		exhausted center	14,1 l/(s*bar)	with throttle	
5813730000		pressurized center	14,1 l/(s*bar)	-	
5813740000		pressurized center	14,1 l/(s*bar)	-	
5813731000		pressurized center	14,1 l/(s*bar)	with throttle	
5813741000		pressurized center	14,1 l/(s*bar)	with throttle	

Part No.	Fig.	
5813430000	-	-
5813440000	Fig. 1	1)
5813431000	-	2)

Part No.	Fig.	
5813441000	Fig. 1	1)
5813530000	-	-
5813540000	Fig. 1	1)
5813531000	-	2)
5813541000	Fig. 1	1)
5813730000	-	-
5813740000	Fig. 1	1)
5813731000	-	2)
5813741000	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.

2)

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

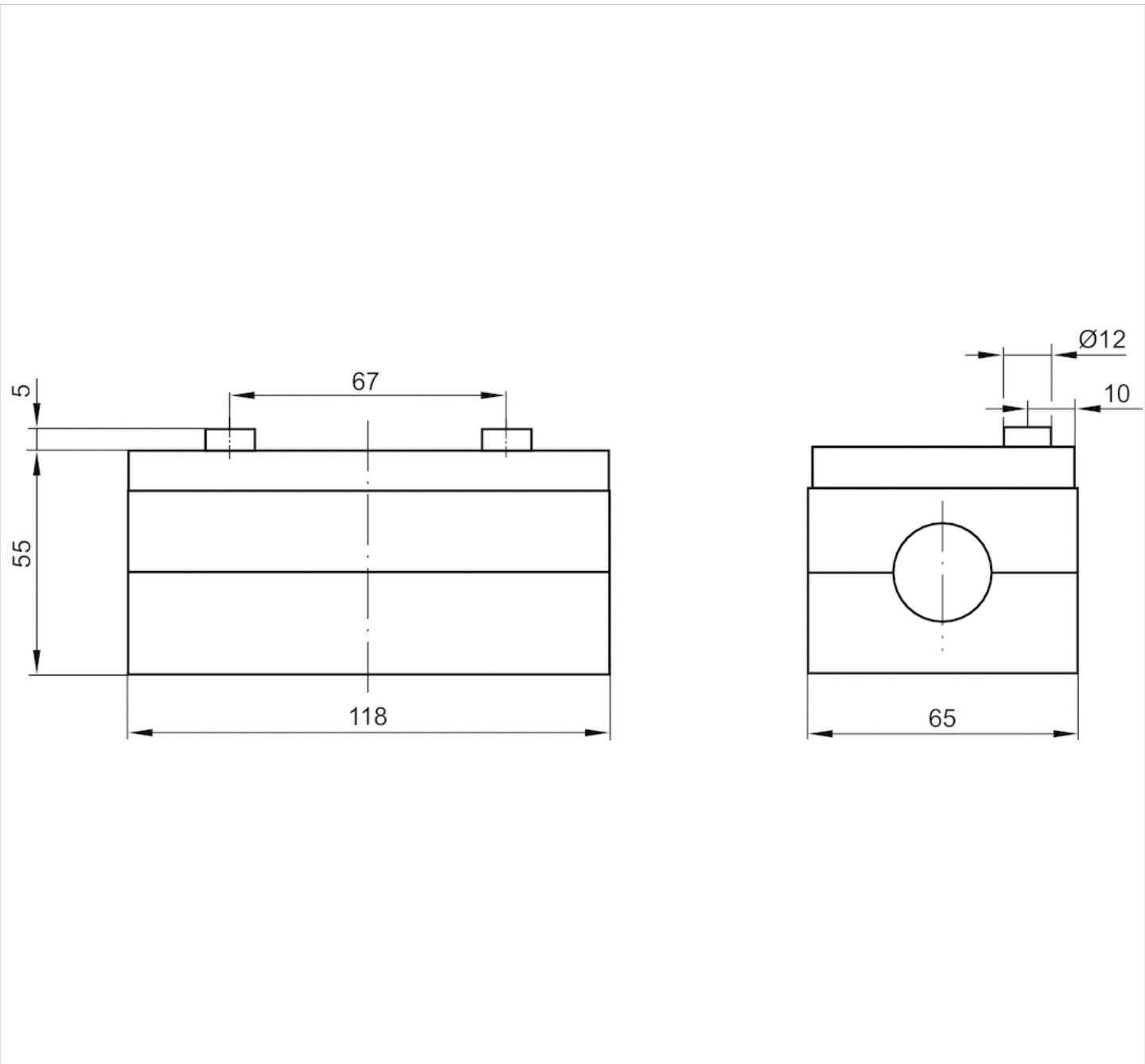
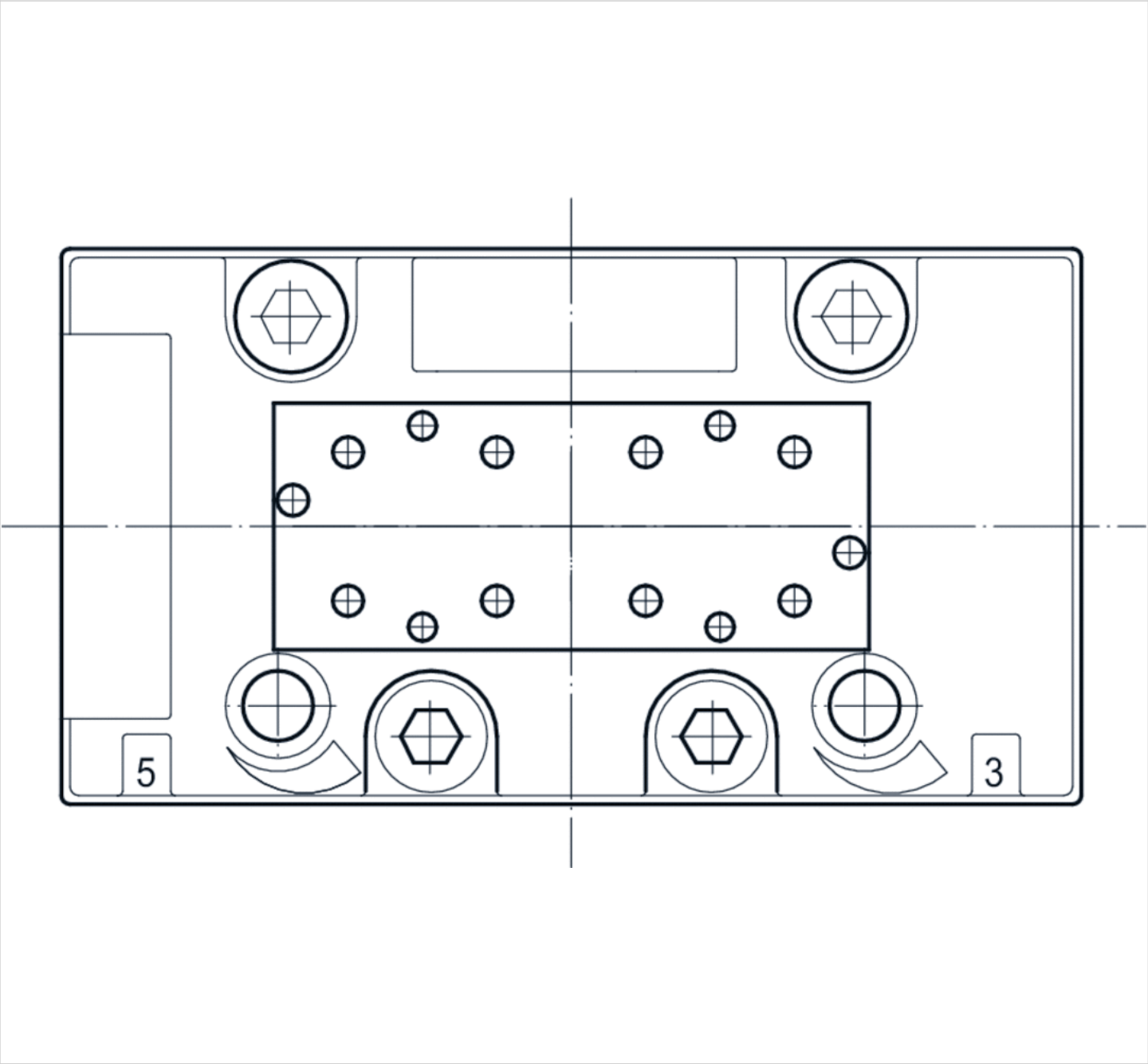


Fig. 1, Hole pattern for logic modules



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