

Type	Spool valve, positive overlapping
Activation	Electrically
Pilot	Internal
Sealing principle	Soft sealing
Working pressure min./max.	3 ... 10 bar
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	900 l/min
Nominal flow 1 ► 2	900 l/min
Nominal flow 2 ► 3	900 l/min
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class with connection	IP65
Compatibility index	14
Duty cycle	100 %
Mounting on manifold strip	P-strip
Weight	See table below

Technical data

Part No.		MO	Compressed air connection
			Input
5777000220			M10x1
5777005280			M10x1
5777005302			M10x1

Part No.	Compressed air connection	Compressed air connection
	Output	Exhaust
5777000220	M10x1	M10x1
5777005280	M10x1	M10x1
5777005302	M10x1	M10x1

Part No.	Compressed air connection	Operational voltage	Operational voltage
	Pilot Exhaust	DC	AC 50 Hz
5777000220	M5	24 V	-
5777005280	M5	-	230 V
5777005302	M5	-	-

Part No.	Operational voltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5777000220	-	-10% / +10%	-	-
5777005280	230 V	-	-20% / +10%	-10% / +20%
5777005302	-	-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5777000220	4,8 W	-	-	-
5777005280	-	7,9 VA	6,4 VA	10,6 VA
5777005302	-	-	-	-

Part No.	Switch-on power	Typ. switch-on time	Typ. switch-off time
	AC 60 Hz		
5777000220	-	12 ms	21 ms
5777005280	8,9 VA	12 ms	21 ms
5777005302	-	-	-

Part No.	basic valve with electrical connector	Weight
5777000220	-	0,39 kg
5777005280	-	0,39 kg
5777005302	Basic valve without coil	0,36 kg

Nominal flow Q_n at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

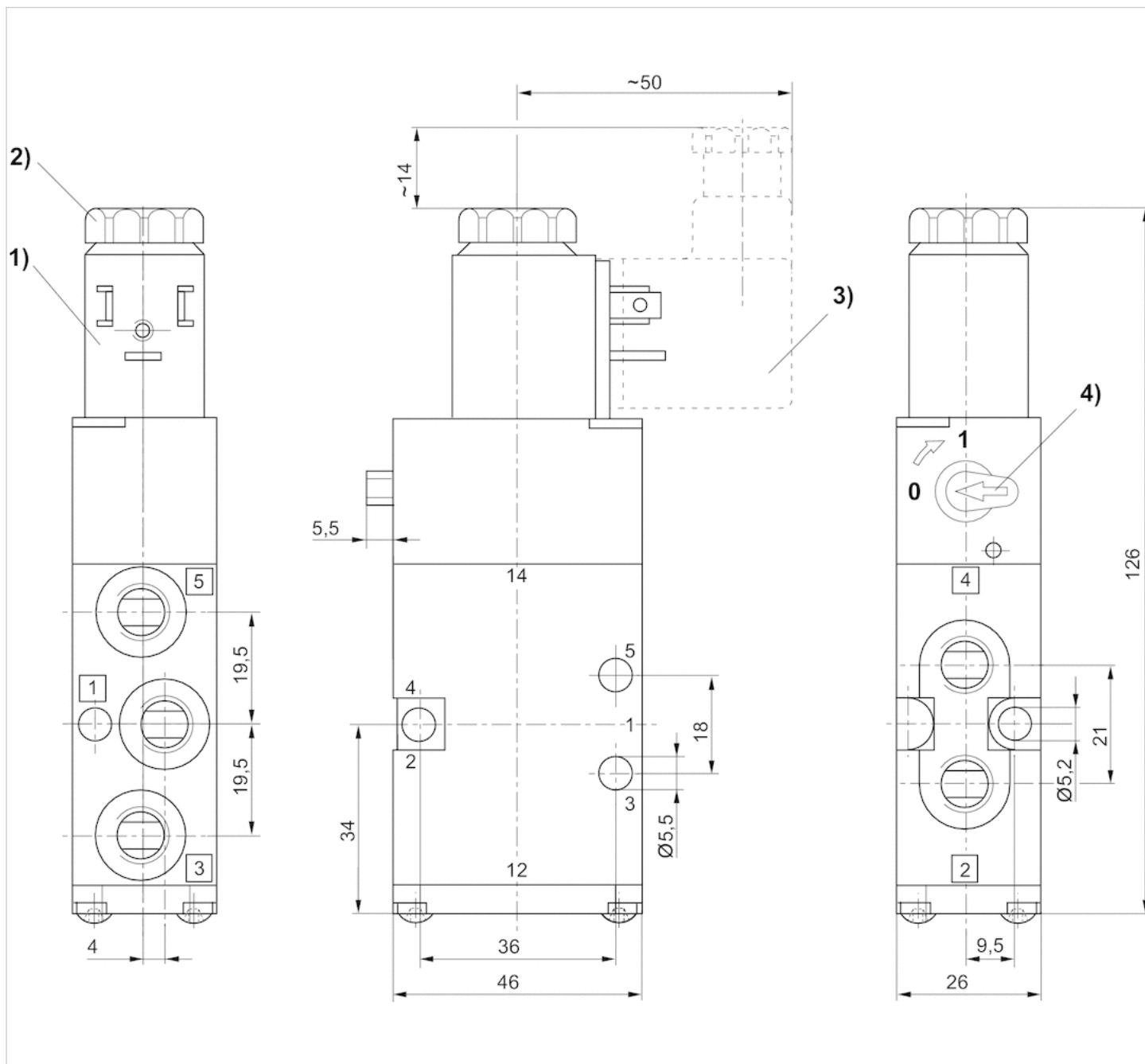
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc Polyamide fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Coil can be rotated at 90° intervals 2) After removal of cap M5 internal thread 3) Valve plug connector can be plugged at 180° intervals 4) Manual override

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