

5/2-directional valve, Series AV03

- 5/2
- $Q_n = 300 \text{ l/min}$
- Plate connection
- Manual override : with detent without detent
- single solenoid double solenoid
- Pilot : External



Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	External
Sealing principle	Soft sealing
Blocking principle	Base plate principle, multiple
Working pressure min./max.	-0.9 ... 10 bar
Control pressure min./max.	3 ... 8 bar
Ambient temperature min./max.	-10 ... 60 °C
Medium temperature min./max.	-10 ... 60 °C
Medium	Compressed air
Max. particle size	40 μm
Oil content of compressed air	0 ... 5 mg/m^3
Nominal flow Q_n	300 l/min
Pilot control exhaust	with directional pilot air exhaust
Protection class with connection	IP65
Protective circuit	Z-diode
Reverse polarity protection	Protected against polarity reversal
LED status display	Yellow
Duty cycle	100 %
mounting screws	Hexalobular socket (TORX) ISO 10664-8
Mounting screw tightening torque	0.5 Nm
Weight	See table below

Technical data

Part No.		MO	Operational voltage	Voltage tolerance
			DC	DC
R422102503			24 V	-10% / +10%
R422102504			24 V	-10% / +10%
R422102426			24 V	-10% / +10%
R422102424			24 V	-10% / +10%
R422102427			24 V	-10% / +10%
R422102425			24 V	-10% / +10%

Part No.	Power consumption	Flow conductance	Flow conductance	Typ. switch-on time
	DC	b	C-value	
R422102503	0.55 W	0.29	1.17 l/(s*bar)	10 ms
R422102504	0.55 W	0.29	1.17 l/(s*bar)	10 ms
R422102426	0.55 W	0.29	1.17 l/(s*bar)	8 ms
R422102424	0.55 W	0.29	1.17 l/(s*bar)	12 ms
R422102427	0.55 W	0.29	1.17 l/(s*bar)	8 ms