













2x3/2-directional valve, Series TC08

- Operating voltage 24 V DC
- Qn = 600 l/min
- Pilot valve width : 15 mm
- Pipe connection
- Compressed air connection output : G 1/8
- Electrical connection : Plug, ISO 15217, form C
- Manual override : without detent
- Double solenoid
- With spring return
- Pilot : external, internal



Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	external, internal
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m ³
Nominal flow Qn	600 l/min
Compressed air connection	according to ISO 228-1
Connector standard	ISO 15217
Protection class with connection	IP65
Duty cycle	100 %
Typ. switch-on time	10 ms
Typ. switch-off time	14 ms
Generic emission standard in accordance with	EN 50081-2:1993
Generic immunity standard in accordance with	EN 50082-2
Mounting on manifold strip	P-strip
Mounting screw tightening torque	2 Nm
Tightening torque tolerance	±0,2 mT
Weight	0,181 kg

Technical data

Part No.			MO	Compressed air connection	
				Input	
R422102023		NC/NC		G 1/8	
R422102027		NO/NO		G 1/8	
R422102031		NC/NO		G 1/8	
R422102034		NC/NC		G 1/8	
R422102037		NO/NO		G 1/8	
R422102040		NC/NO		G 1/8	

Part No.	Compressed air connection		Compressed air connection	
	Output		Exhaust	
R422102023	G 1/8		G 1/8	
R422102027	G 1/8		G 1/8	
R422102031	G 1/8		G 1/8	
R422102034	G 1/8		G 1/8	
R422102037	G 1/8		G 1/8	
R422102040	G 1/8		G 1/8	

Part No.	Compressed air connection		Operational voltage		Voltage tolerance	
	Pilot Input		DC		DC	
R422102023	-		24 V		-10% / +10%	
R422102027	-		24 V		-10% / +10%	
R422102031	-		24 V		-10% / +10%	
R422102034	M5		24 V		-10% / +10%	
R422102037	M5		24 V		-10% / +10%	
R422102040	M5		24 V		-10% / +10%	

Part No.	Power consumption		Flow conductance		Nominal resistance
	DC		b	C-value	
R422102023	2 W		0,27	2,8 l/(s*bar)	280 Ω
R422102027	2 W		0,27	2,8 l/(s*bar)	280 Ω
R422102031	2 W		0,27	2,8 l/(s*bar)	280 Ω
R422102034	2 W		0,27	2,8 l/(s*bar)	280 Ω
R422102037	2 W		0,27	2,8 l/(s*bar)	280 Ω
R422102040	2 W		0,27	2,8 l/(s*bar)	280 Ω

Part No.	Working pressure min./max.
R422102023	3 ... 10 bar
R422102027	3 ... 10 bar
R422102031	3 ... 10 bar
R422102034	-0,9 ... 10 bar
R422102037	-0,9 ... 10 bar
R422102040	-0,9 ... 10 bar

Nominal flow Qn at 6 bar and $\Delta p = 1$ 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	Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber Polyurethane
Front plate	Polyamide, fiber-glass reinforced
Threaded bushing	Brass Die cast zinc, nickel-plated chrome-plated

Dimensions

Dimensions

